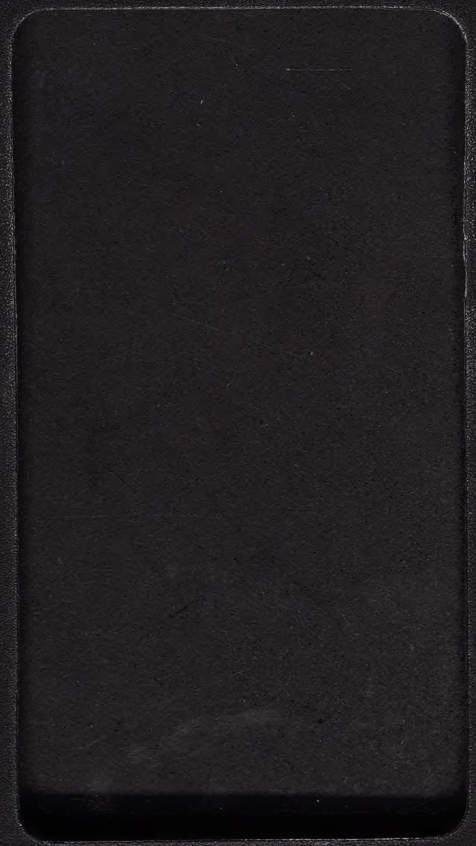
Beckman Inst.
Eric Wood
415 B57 1966

CALIBRATION CONTROL
[illegible]57.0005

MP MASTER
MA29883

Scientific-Atlanta

Spectral Dynamics Division



Property Beckman Inst.
On Loan to A Contract
exp

SERIAL _____

STRING LIST AND DRAWINGS

SD340
MICRO FFT ANALYZER

PROPRIETARY RIGHTS OF SCIENTIFIC-ATLANTA, INC. are involved in the subject matter of this material and all manufacturing, reproduction, use and sales rights pertaining to such subject matter are expressly reserved. It is submitted in confidence for a specified purpose, and the recipient, by accepting this material, agrees that this material will not be used, copied or reproduced in whole or in part, nor its contents revealed in any manner, or to any person, except for the purpose delivered.

Scientific-Atlanta
Spectral Dynamics Division
United States: P.O. Box 671 • San Diego, CA 92112 • (714) 268-7100 • TWX 910-335-2022

August 1977

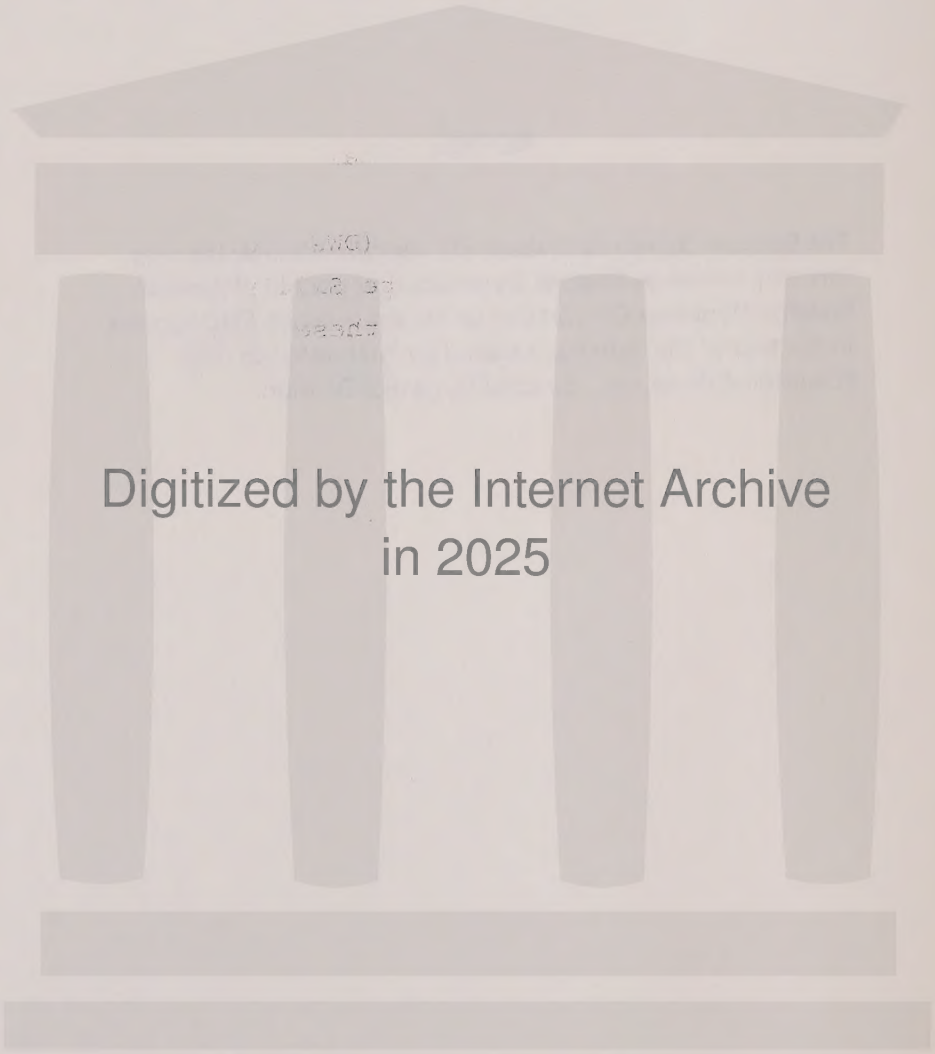
10476700

Property Records Act
On Loan from Department
of

...ntific-Atlantic ...
Corporation ...
...Preservation ... DC ...
...operated to read
...ics Dimensions.

NOTICE

The Spectral Dynamics Division of Scientific-Atlanta, Inc. was formerly known as Spectral Dynamics Corporation. Whenever Spectral Dynamics Corporation or the abbreviation SDC appears in the text of this manual, it should be interpreted to read Scientific-Atlanta, Inc., Spectral Dynamics Division.



Digitized by the Internet Archive
in 2025

https://archive.org/details/manualsplus_07586

MANUAL CHANGES

Date 31 August 1977 Model: SD340*
Manual Rev. B Unit Serial: 011-062
ECO/REC E2789 Manual Edition: August 1977

Drawing Number	From	To
NA		

Each change listed below must be individually analyzed for applicability in accordance with model, serial number and edition indicated above.

*Drawings and String List Manual

Change 1 On Display Control Schematic (DWG. NO. 10416900), U16, U33, and U34 are shown as type SN74193N. On some units with serial numbers 011-062, these IC's are type SN74LS193N.

MANUAL CHANGES

Date 31 August 1977 Model: SD340*
Manual Rev. C Unit Serial: 011-086
ECO/REC E2807 Manual Edition: August 1977

Drawing Number	From	To
NA		

Each change listed below must be individually analyzed for applicability in accordance with model, serial number and edition indicated above.

*Drawings and String List Manual.

Change 1 On Memory Address Schematic (DWG. NO. 10417200), capacitor C54 (470pF, 500V, 5%) is shown connected from TP15 to ground and U31 is shown as type SN7400N. On some units with serial numbers 011-086, U31 is type SN74LS00N and C54 is not installed.

MANUAL CHANGES

Date 31 August 1977 Model: SD340*
Manual Rev. D Unit Serial: 011-135
ECO/REC E2667, E2669A Manual Edition: August 1977

Drawing Number	From	To
NA		

Each change listed below must be individually analyzed for applicability in accordance with model, serial number and edition indicated above.

*Drawings and String List Manual

Change 1 On the Input Memory/Timing Schematic (DWG. NO. 10415400), C57 (4.7 μF, 10V, 20%) is shown connected from the junction of R22 and R23 to connector pin A3 (CAL). On units with serial numbers 011-135, C57 is not installed and the junction of R22 and R23 is connected directly to connector pin A3 (CAL).

Change 2 On the Low Pass Filter Schematic for Group I (DWG. NO. 10402800), C64 is shown with a value of 100 pF, 500V, 5% and C68 (10 pF, 500V, 5%) is shown in parallel with R1. On units with serial numbers 011-135, C64 is 5 pF, 500V, ±.5 pF and C68 is not installed.

MANUAL CHANGES

Date 31 August 1977 Model: SD340*
Manual Rev. E Unit Serial: 011-138
ECO/REC E2641, E2762A Manual Edition: August 1977

Drawing Number	From	To
NA		

Each change listed below must be individually analyzed for applicability in accordance with model, serial number and edition indicated above.

*Drawings and String List Manual

Change 1 On Analog I/O Schematic (DWG. NO. 10409100), change type number for Q1 from PN3536 to 2N5306.

Change 2 On Power Supply Schematic (DWG. NO. 10479100), R35 is shown as 22Ω, 1W, 5%. On some units with serial numbers 011-138, R35 is 22Ω, ½W, 5%.

MANUAL CHANGES

Date 31 August 1977 Model: SD340*
Manual Rev. F Unit Serial: 011-139
ECO/REC E2801 Manual Edition: August 1977

Drawing Number	From	To
NA		

Each change listed below must be individually analyzed for applicability in accordance with model, serial number and edition indicated above.

*Drawings and String List Manual

Change 1 On Power Supply Schematic (DWG. NO. 10404700), C15 is shown as 15 pF, 500V, 5%. On some units with serial numbers 011-139, C15 is 1000 pF, 100V, 5%.

MANUAL CHANGES

Date 31 August 1977 Model: SD340*
Manual Rev. G Unit Serial: 011-285
ECO/REC E2754B Manual Edition: August 1977

Drawing Number	From	To
NA		

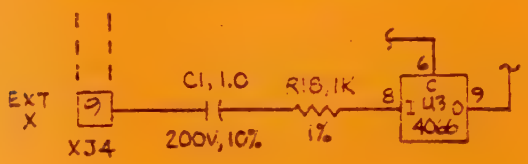
Each change listed below must be individually analyzed for applicability in accordance with model, serial number and edition indicated above.

*Drawings and String List Manual

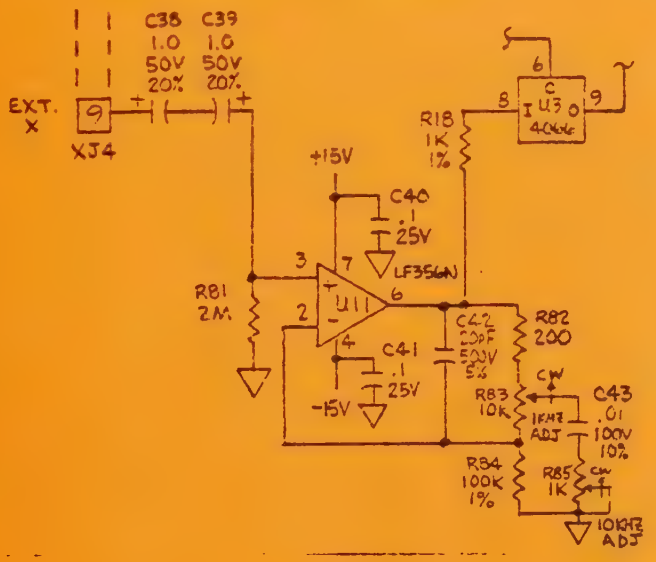
Change 1

CRT Display Schematic (DWG. NO. 10405600) shows some circuitry that was added for units with serial numbers 286 and above. Some units with serial numbers 011-285 have also been modified, but others have not. This circuitry is shown below:

WAS (S/N 011-285)



IS (S/N 286 and above)



In those units which have been modified, the added components are mounted on a PC Assembly (10477600), which in turn, is mounted on the Display Amplifier Assembly in place of C1 (see DWG. NO. 10405400).

MANUAL CHANGES

Date 31 August 1977 Model: SD340*
Manual Rev. G Unit Serial: 011-285
ECO/REC E2813A Manual Edition: August 1977

Drawing Number	From	To
NA		

Each change listed below must be individually analyzed for applicability in accordance with model, serial number and edition indicated above.

*Drawings and String List Manual

Change 1 On CRT Display Schematic (DWG. NO. 10405600), the following components are shown with the values indicated:

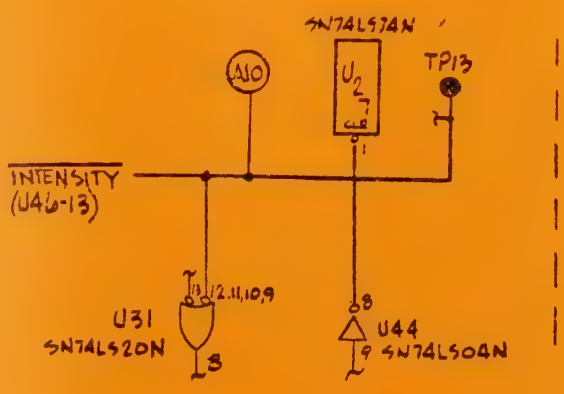
C4 .1 μF, 100V, ±10%
C25 2200 pF, 500V, 5%
R76 40.2K, 1/8W, 1%

On some units with serial numbers 011-285, these components have the values shown below:

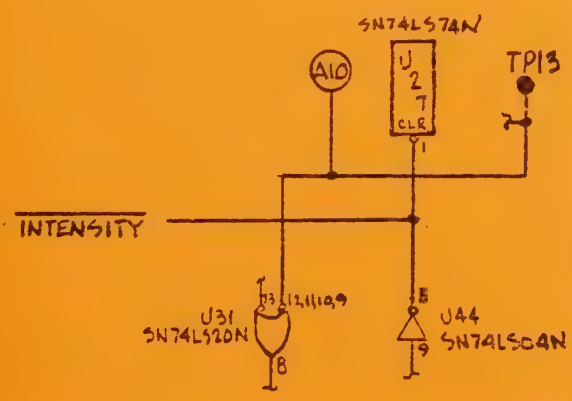
C4 .1 μF, 25V, +80% -20%
C25 .01 μF, 25V, +80% -20%
R76 10K, 1/4W, 5%

Change 2 Display Control Schematic (DWG. NO. 10416900) shows some circuitry that was modified for units with serial numbers 286 and above. Some units with serial numbers 011-285 have also been modified, but others have not. This circuitry is shown below:

WAS (S/N 011-285)



IS (S/N 286 and above)



MANUAL CHANGES

Date 17 November 1977 Model: SD340*
Manual Rev. H Unit Serial: 011-434
ECO/REC E2852A Manual Edition: August 1977

Drawing Number	From	To
NA		

Each change listed below must be individually analyzed for applicability in accordance with model, serial number and edition indicated above.

*Drawings and String List Manual

Change 1 On Power Supply Schematic (DWG. NO. 10404700 and DWG. NO. 10479100), VR1 is shown as type 1N5229. On units with serial numbers 135 and above, this diode has been changed to type 1N5230B. Some lower serial numbered units have also been modified.

MANUAL CHANGES

Date 30 May 1978 Model: SD340*
Manual Rev. J Unit Serial: 11-435
ECO/REC E2901, E2946, E2951 Manual Edition: August 1977

Drawing Number	From	To
NA		

Each change listed below must be individually analyzed for applicability in accordance with model, serial number and edition indicated above.

*Drawings and String List Manual

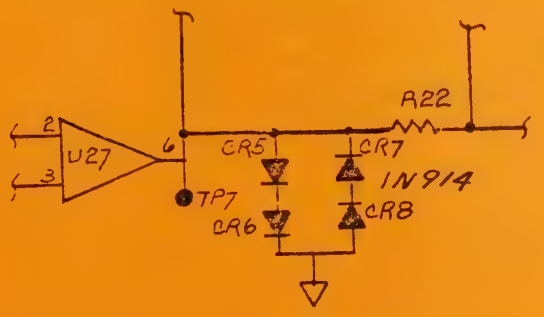
Change 1 — On Group II Low Pass Filter Schematic (DWG. NO. 10460200), U27 is shown as type LF356 AH. On units with serial numbers 436 and above and some lower serial numbered units, this IC has been changed to type OP-16EJ.

Change 2 — On Processor Memory Schematic (DWG. NO. 10416600), U28 is shown as type SN74LS157N. On units with serial numbers 436 and above and some lower serial numbered units, this IC has been changed to type SN74157N.

Change 3 — On Group I and Group II Low Pass Filter Schematics (DWG. NO. 10402800 and 10460200), some circuitry was modified for units with serial numbers 436 and above. Some lower serial numbered units have also been modified. The modified circuitry is shown below.

WAS (S/N 011-134)

IS (S/N 135 and above)



LIST OF DRAWINGS

Designator	Name	Dwg. No.
SD340	System Interconnect	———
A2A1	Control Card Assembly	10407000
A2A1	Control Card Schematic	10407200
A2A2	Sensitivity Reference Assembly	10415100
A2A2	Sensitivity Reference Schematic	10415000
A3	CRT Display Schematic	10405600
A3A1	Display Amplifier Assembly	10405400
A4A1	Low Pass Filter Assembly (Group I) Sheet 7	10402900
A4A1	Low Pass Filter Assembly (Group II) Sheet 8	10402900
A4A1	Low Pass Filter Schematic (Group I)	10402800
A4A1	Low Pass Filter Schematic (Group II)	10460200
A4A2	Analog I/O Assembly	10408900
A4A2	Analog I/O Schematic	10409100
A4A3	Input Memory/Timing Assembly	10415500
A4A3	Input Memory/Timing Schematic	10415400
A4A4	Multiplier Assembly	10415800
A4A4	Multiplier Schematic	10415700
A4A5	Microprogram Control Assembly	10416100
A4A5	Microprogram Control Schematic	10416000
A4A6	Central Processor Assembly	10416400
A4A6	Central Processor Schematic	10416300
A4A7	Processor Memory Assembly	10416700
A4A7	Processor Memory Schematic	10416600
A4A8	Display Control Assembly	10417000
A4A8	Display Control Schematic	10416900
A4A9	Memory Address Assembly	10417300
A4A9	Memory Address Schematic	10417200
A4A12	Interface Card Assembly	10417900
A4A12	Interface Card Schematic	10417800
PS1	Power Supply Schematic (Units with Rotron Fan)	10404700
PS1	Power Supply Schematic (Units with Howard or IMC Fan)	10479100
PS1A1	Power Supply Regulator Assembly	10404500
PS1A2	Inverter Assembly	10413200
A1W1	Cable Assembly	10453500
A1W2	Cable Assembly	10453700
A1W3	Cable Assembly	10453800
A3W1	Cable Assembly	10448800
———	High Voltage Cable Assembly	10466000

TABLE OF CONTENTS

String List

Drawings

SD340

WIRE	SIGNAL NAME	DESTINATION
A01 01A	GNDB	A0102A, A0171B, A0172B, A0201A, A0202A, A0271B, A0272B, A0301A, A0302A, A0371B, A0372B, A0401A, A0402A, A0471B, A0472B, A0501A, A0502A, A0571B, A0572B, A0601A, A0602A, A0671B, A0672B, A0701A, A0702A, A0771B, A0772B, A0801A, A0802A, A0871B, A0872B, A0901A, A0902A, A0971B, A0972B, A1001A, A1002A, A1071B, A1072B, A1101A, A1102A, A1171B, A1172B, A1201 , A1202 , A12100, A1299
A01 05A	+5V	
A01 45A	*GROUPII*	A0146A, A0345A, A0545A
A01 57A	-15V	
A01 71A	GNDA	A0101B, A0102B, A0172A, A0201B, A0202B, A0271A, A0272A, A0301B, A0302B, A0371A, A0372A, A0401B, A0402B, A0471A, A0472A, A0501B, A0502B, A0571A, A0572A, A0601B, A0602B, A0671A, A0672A, A0701B, A0702B, A0771A, A0772A, A0801B, A0802B, A0871A, A0872A, A0901B, A0902B, A0971A, A0972A, A1001B, A1002B, A1071A, A1072A, A1101B, A1102B, A1171A, A1172A, E06 , E08 , E11 , E13 , J0116
A01 02A	GNDB	A0101A, A0171B, A0172B, A0201A, A0202A, A0271B, A0272B, A0301A, A0302A, A0371B, A0372B, A0401A, A0402A, A0471B, A0472B, A0501A, A0502A, A0571B, A0572B, A0601A, A0602A, A0671B, A0672B, A0701A, A0702A, A0771B, A0772B, A0801A, A0802A, A0871B, A0872B, A0901A, A0902A, A0971B, A0972B, A1001A, A1002A, A1071B, A1072B, A1101A, A1102A, A1171B, A1172B, A1201 , A1202 , A12100, A1299
A01 06A	+5V	
A01 08A	FILTEREDOUT	A0208A
A01 46A	*GROUPII*	A0145A, A0345A, A0545A
A01 52A	AR22	A0352A, A1287
A01 54A	AR21	A0354A, A1288
A01 56A	AR20	A0356A, A1289
A01 60A	INPUTLEVEL20	A1291
A01 62A	INPUTLEVEL21	A1292
A01 64A	INPUTLEVEL22	A1290
A01 68A	-15V	
A01 72A	GNDA	A0101B, A0102B, A0171A, A0201B, A0202B, A0271A, A0272A, A0301B, A0302B, A0371A, A0372A, A0401B, A0402B, A0471A, A0472A, A0501B, A0502B, A0571A, A0572A, A0601B, A0602B, A0671A, A0672A, A0701B, A0702B, A0771A, A0772A, A0801B, A0802B, A0871A, A0872A, A0901B, A0902B, A0971A, A0972A, A1001B,

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

WIRE	SIGNAL NAME	DESTINATION
		A1002B, A1071A, A1072A, A1101B, A1102B, A1171A, A1172A, E06 , E08 , E11 , E13 , J0116
A01 01B	GNDA	A0102B, A0171A, A0172A, A0201B, A0202B, A0271A, A0272A, A0301B, A0302B, A0371A, A0372A, A0401B, A0402B, A0471A, A0472A, A0501B, A0502B, A0571A, A0572A, A0601B, A0602B, A0671A, A0672A, A0701B, A0702B, A0771A, A0772A, A0801B, A0802B, A0871A, A0872A, A0901B, A0902B, A0971A, A0972A, A1001B, A1002B, A1071A, A1072A, A1101B, A1102B, A1171A, A1172A, E06 , E08 , E11 , E13 , J0116
A01 05B	+15V	
A01 67B	+5V	
A01 71B	GNDB	A0101A, A0102A, A0172B, A0201A, A0202A, A0271B, A0272B, A0301A, A0302A, A0371B, A0372B, A0401A, A0402A, A0471B, A0472B, A0501A, A0502A, A0571B, A0572B, A0601A, A0602A, A0671B, A0672B, A0701A, A0702A, A0771B, A0772B, A0801A, A0802A, A0871B, A0872B, A0901A, A0902A, A0971B, A0972B, A1001A, A1002A, A1071B, A1072B, A1101A, A1102A, A1171B, A1172B, A1201 , A1202 , A12100, A1299
A01 02B	GNDA	A0101B, A0171A, A0172A, A0201B, A0202B, A0271A, A0272A, A0301B, A0302B, A0371A, A0372A, A0401B, A0402B, A0471A, A0472A, A0501B, A0502B, A0571A, A0572A, A0601B, A0602B, A0671A, A0672A, A0701B, A0702B, A0771A, A0772A, A0801B, A0802B, A0871A, A0872A, A0901B, A0902B, A0971A, A0972A, A1001B, A1002B, A1071A, A1072A, A1101B, A1102B, A1171A, A1172A, E06 , E08 , E11 , E13 , J0116
A01 06B	+15V	
A01 20B	NORMSIGNAL	A0258A, J0211
A01 26B	SINEDITHER	A0366A
A01 68B	+5V	
A01 72B	GNDB	A0101A, A0102A, A0171B, A0201A, A0202A, A0271B, A0272B, A0301A, A0302A, A0371B, A0372B, A0401A, A0402A, A0471B, A0472B, A0501A, A0502A, A0571B, A0572B, A0601A, A0602A, A0671B, A0672B, A0701A, A0702A, A0771B, A0772B, A0801A, A0802A, A0871B, A0872B, A0901A, A0902A, A0971B, A0972B, A1001A, A1002A, A1071B, A1072B, A1101A, A1102A, A1171B, A1172B, A1201 , A1202 , A12100, A1299

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

WIRE	SIGNAL NAME	DESTINATION
A02 01A	GNDB	A0101A, A0102A, A0171B, A0172B, A0202A, A0271B, A0272B, A0301A, A0302A, A0371B, A0372B, A0401A, A0402A, A0471B, A0472B, A0501A, A0502A, A0571B, A0572B, A0601A, A0602A, A0671B, A0672B, A0701A, A0702A, A0771B, A0772B, A0801A, A0802A, A0871B, A0872B, A0901A, A0902A, A0971B, A0972B, A1001A, A1002A, A1071B, A1072B, A1101A, A1102A, A1171B, A1172B, A1201 , A1202 , A12100, A1299
A02 03A	2MHZCLK	A0304A, A0804A
A02 05A	+5V	
A02 13A	*OVERLOAD*	A0214A, A1286
A02 15A	PLOTTERX	E02
A02 19A	PLOTTERY	E01
A02 25A	1HZCLK	A0325A, A0625A
A02 29A	A/D2-10	A0329A
A02 31A	A/D2-8	A0331A
A02 33A	A/D2-6	A0333A
A02 35A	A/D2-4	A0335A
A02 37A	A/D2-2	A0337A
A02 39A	A/DSIGN	A0339A
A02 41A	*CONCOMPLETE*	A0341A
A02 49A	FS	A0349A
A02 59A	Y-SPECT	A0759A
A02 63A	PLOT	A0817B, A0918B
A02 65A	*SRF*	A0865B
A02 67A	-15V	
A02 69A	X-SWEEP	A0769A
A02 71A	GNDA	A0101B, A0102B, A0171A, A0172A, A0201B, A0202B, A0272A, A0301B, A0302B, A0371A, A0372A, A0401B, A0402B, A0471A, A0472A, A0501B, A0502B, A0571A, A0572A, A0601B, A0602B, A0671A, A0672A, A0701B, A0702B, A0771A, A0772A, A0801B, A0802B, A0871A, A0872A, A0901B, A0902B, A0971A, A0972A, A1001B, A1002B, A1071A, A1072A, A1101B, A1102B, A1171A, A1172A, E06 , E08 , E11 , E13 , J0116
A02 02A	GNDB	A0101A, A0102A, A0171B, A0172B, A0201A, A0271B, A0272B, A0301A, A0302A, A0371B, A0372B, A0401A, A0402A, A0471B, A0472B, A0501A, A0502A, A0571B, A0572B, A0601A, A0602A, A0671B, A0672B, A0701A, A0702A, A0771B, A0772B, A0801A, A0802A, A0871B, A0872B, A0901A, A0902A, A0971B, A0972B, A1001A, A1002A, A1071B, A1072B, A1101A, A1102A, A1171B, A1172B, A1201 , A1202 , A12100, A1299

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

WIRE	SIGNAL NAME	DESTINATION
A02 04A	*FREQMATCH*	A0704A, A0803A
A02 06A	+5V	
A02 08A	FILTEREDOUT	A0108A
A02 10A	*X-GAIN-X1*	A1228 , J0205
A02 14A	*OVERLOAD*	A0213A, A1286
A02 26A	10HZCLK	A0326A, A0826A, A0926A
A02 30A	A/D2-11	A0330A
A02 32A	A/D2-9	A0332A
A02 34A	A/D2-7	A0334A
A02 36A	A/D2-5	A0336A
A02 38A	A/D2-3	A0338A
A02 40A	A/D2-1	A0340A
A02 42A	OVERALLFLAG	A0342A
A02 44A	5HZCLK	A0344A, A0940A
A02 58A	NORMSIGNAL	A0120B, J0211
A02 66A	TIMETRIG	A0866A
A02 68A	-15V	
A02 70A	XS	J0210
A02 72A	GNDA	A0101B, A0102B, A0171A, A0172A, A0201B, A0202B, A0271A, A0301B, A0302B, A0371A, A0372A, A0401B, A0402B, A0471A, A0472A, A0501B, A0502B, A0571A, A0572A, A0601B, A0602B, A0671A, A0672A, A0701B, A0702B, A0771A, A0772A, A0801B, A0802B, A0871A, A0872A, A0901B, A0902B, A0971A, A0972A, A1001B, A1002B, A1071A, A1072A, A1101B, A1102B, A1171A, A1172A, E06 , E08 , E11 , E13 , J0116
A02 01B	GNDA	A0101B, A0102B, A0171A, A0172A, A0202B, A0271A, A0272A, A0301B, A0302B, A0371A, A0372A, A0401B, A0402B, A0471A, A0472A, A0501B, A0502B, A0571A, A0572A, A0601B, A0602B, A0671A, A0672A, A0701B, A0702B, A0771A, A0772A, A0801B, A0802B, A0871A, A0872A, A0901B, A0902B, A0971A, A0972A, A1001B, A1002B, A1071A, A1072A, A1101B, A1102B, A1171A, A1172A, E06 , E08 , E11 , E13 , J0116
A02 05B	+15V	
A02 47B	*OVERALLEN*	A0547B
A02 49B	3000DATABUS2+1	A0349B, A0449B, A0549B, A0649B, A0749B, A0849B, A0949B, A1049B, A1149B, A1221
A02 51B	3000DATABUS2-1	A0351B, A0451B, A0551B, A0651B, A0751B, A0851B, A0951B, A1051B, A1151B, A1219
A02 53B	3000DATABUS2-3	A0353B, A0453B, A0553B, A0653B, A0753B, A0853B, A0953B, A1053B, A1153B, A1217
A02 55B	3000DATABUS2-5	A0355B, A0455B, A0555B, A0655B, A0755B, A0855B,

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

WIRE	SIGNAL NAME	DESTINATION
		A0955B, A1055B, A1155B, A1215
A02 57B	3000DATABUS2-7	A0357B, A0457B, A0557B, A0657B, A0757B, A0857B, A0957B, A1057B, A1157B, A1213
A02 59B	3000DATABUS2-9	A0359B, A0459B, A0559B, A0659B, A0759B, A0859B, A0959B, A1059B, A1159B, A1211
A02 61B	3000DATABUS2-11	A0361B, A0461B, A0561B, A0661B, A0761B, A0861B, A0961B, A1061B, A1161B, A1209
A02 67B	+5V	
A02 71B	GNDB	A0101A, A0102A, A0171B, A0172B, A0201A, A0202A, A0272B, A0301A, A0302A, A0371B, A0372B, A0401A, A0402A, A0471B, A0472B, A0501A, A0502A, A0571B, A0572B, A0601A, A0602A, A0671B, A0672B, A0701A, A0702A, A0771B, A0772B, A0801A, A0802A, A0871B, A0872B, A0901A, A0902A, A0971B, A0972B, A1001A, A1002A, A1071B, A1072B, A1101A, A1102A, A1171B, A1172B, A1201 , A1202 , A1210, A1299
A02 03B	GNDA	A0101B, A0102B, A0171A, A0172A, A0201B, A0271A, A0272A, A0301B, A0302B, A0371A, A0372A, A0401B, A0402B, A0471A, A0472A, A0501B, A0502B, A0571A, A0572A, A0601B, A0602B, A0671A, A0672A, A0701B, A0702B, A0771A, A0772A, A0801B, A0802B, A0871A, A0872A, A0901B, A0902B, A0971A, A0972A, A1001B, A1002B, A1071A, A1072A, A1101B, A1102B, A1171A, A1172A, E06 , E08 , E11 , E13 , J0116
A02 06B	+15V	
A02 50B	3000DATABUSSIGN	A0350B, A0450B, A0550B, A0650B, A0750B, A0850B, A0950B, A1050B, A1150B, A1222
A02 52B	3000DATABUS2+0	A0352B, A0452B, A0552B, A0652B, A0752B, A0852B, A0952B, A1052B, A1152B, A1220
A02 54B	3000DATABUS2-2	A0354B, A0454B, A0554B, A0654B, A0754B, A0854B, A0954B, A1054B, A1154B, A1218
A02 56B	3000DATABUS2-4	A0356B, A0456B, A0556B, A0656B, A0756B, A0856B, A0956B, A1056B, A1156B, A1216
A02 58B	3000DATABUS2-6	A0358B, A0458B, A0558B, A0658B, A0758B, A0858B, A0958B, A1058B, A1158B, A1214
A02 60B	3000DATABUS2-8	A0360B, A0460B, A0560B, A0660B, A0760B, A0860B, A0960B, A1060B, A1160B, A1212
A02 62B	3000DATABUS2-10	A0362B, A0462B, A0562B, A0662B, A0762B, A0862B, A0962B, A1062B, A1162B, A1210
A02 68B	+5V	
A02 72B	GNDB	A0101A, A0102A, A0171B, A0172B, A0201A, A0202A, A0271B, A0301A, A0302A, A0371B, A0372B, A0401A, A0402A, A0471B, A0472B, A0501A, A0502A, A0571B,

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

WIRE	SIGNAL NAME	DESTINATION
		A0572B, A0601A, A0602A, A0671B, A0672B, A0701A, A0702A, A0771B, A0772B, A0801A, A0802A, A0871B, A0872B, A0901A, A0902A, A0971B, A0972B, A1001A, A1002A, A1071B, A1072B, A1101A, A1102A, A1171B, A1172B, A1201 , A1202 , A12100, A1299
A03 01A	GND8	A0101A, A0102A, A0171B, A0172B, A0201A, A0202A, A0271B, A0272B, A0302A, A0371B, A0372B, A0401A, A0402A, A0471B, A0472B, A0501A, A0502A, A0571B, A0572B, A0601A, A0602A, A0671B, A0672B, A0701A, A0702A, A0771B, A0772B, A0801A, A0802A, A0871B, A0872B, A0901A, A0902A, A0971B, A0972B, A1001A, A1002A, A1071B, A1072B, A1101A, A1102A, A1171B, A1172B, A1201 , A1202 , A12100, A1299
A03 03A	CALSIG	E07
A03 05A	+5V	
A03 07A	80HZCLK	A0908A
A03 09A	ADRA0	A0409A, A0509A, A0609A, A0709A, A0809A, A0909A, A1009A, A1109A, A1224
A03 11A	ADRA2	A0411A, A0511A, A0611A, A0711A, A0811A, A0911A, A1011A, A1111A, A1226
A03 13A	ADRA4	A0413A, A0513A, A0613A, A0713A, A0813A, A0913A, A1013A, A1113A
A03 15A	ADRA6	A0415A, A0515A, A0615A, A0715A, A0815A, A0915A, A1015A, A1115A
A03 17A	ARDA8	A0417A, A0517A, A0617A, A0717A, A0817A, A0917A, A1017A, A1117A
A03 19A	ADRA10	A0419A, A0519A, A0619A, A0719A, A0819A, A0919A, A1019A, A1119A
A03 21A	ADRA12	A0421A, A0521A, A0621A, A0721A, A0821A, A0921A, A1021A, A1121A
A03 23A	1KHZCLK	A1285
A03 25A	1HZCLK	A0225A, A0625A
A03 27A	MEMHOLD	A0627A
A03 29A	A/D2-10	A0229A
A03 31A	A/D2-8	A0231A
A03 33A	A/D2-6	A0233A
A03 35A	A/D2-4	A0235A
A03 37A	A/D2-2	A0237A
A03 39A	A/DSIGN	A0239A
A03 41A	*CONCOMPLETE*	A0241A
A03 45A	*GROUPII*	A0145A, A0146A, A0545A
A03 49A	FS	A0249A
A03 67A	-15V	

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

WIRE	SIGNAL NAME	DESTINATION
A03 71A	GNDA	A0101B, A0102B, A0171A, A0172A, A0201B, A0202B, A0271A, A0272A, A0301B, A0302B, A0372A, A0401B, A0402B, A0471A, A0472A, A0501B, A0502B, A0571A, A0572A, A0601B, A0602B, A0671A, A0672A, A0701B, A0702B, A0771A, A0772A, A0801B, A0802B, A0871A, A0872A, A0901B, A0902B, A0971A, A0972A, A1001B, A1002B, A1071A, A1072A, A1101B, A1102B, A1171A, A1172A, E06 , E08 , E11 , E13 , JC116
A03 02A	GNDB	A0101A, A0102A, A0171B, A0172B, A0201A, A0202A, A0271B, A0272B, A0301A, A0371B, A0372B, A0401A, A0402A, A0471B, A0472B, A0501A, A0502A, A0571B, A0572B, A0601A, A0602A, A0671B, A0672B, A0701A, A0702A, A0771B, A0772B, A0801A, A0802A, A0871B, A0872B, A0901A, A0902A, A0971B, A0972B, A1001A, A1002A, A1071B, A1072B, A1101A, A1102A, A1171B, A1172B, A1201 , A1202 , A12100, A1299
A03 04A	2MHZCLK	A0203A, A0804A
A03 06A	+5V	
A03 08A	TIMEMODECLK	A0808A
A03 12A	ADRA1	A0412A, A0512A, A0612A, A0712A, A0812A, A0912A, A1012A, A1112A, A1225
A03 14A	ADRA3	A0414A, A0514A, A0614A, A0714A, A0814A, A0914A, A1014A, A1114A
A03 16A	ADRA5	A0416A, A0516A, A0616A, A0716A, A0816A, A0916A, A1016A, A1116A
A03 18A	ADRA7	A0418A, A0518A, A0618A, A0718A, A0818A, A0918A, A1018A, A1118A
A03 20A	ADRA9	A0420A, A0520A, A0620A, A0720A, A0820A, A0920A, A1020A, A1120A
A03 22A	ADRA11	A0422A, A0522A, A0622A, A0722A, A0822A, A0922A, A1022A, A1122A
A03 24A	ADRA13	A0424A, A0524A, A0624A, A0724A, A0824A, A0924A, A1024A, A1124A
A03 26A	10HZCLK	A0226A, A0826A, A0926A
A03 28A	ROMSIMCLKSEL	A1128A
A03 30A	A/D2-11	A0230A
A03 32A	A/D2-9	A0232A
A03 34A	A/D2-7	A0234A
A03 36A	A/D2-5	A0236A
A03 38A	A/D2-3	A0238A
A03 40A	A/D2-1	A0240A
A03 42A	OVERALLFLAG	A0242A
A03 44A	5HZCLK	A0244A, A0940A

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

WIRE	SIGNAL NAME	DESTINATION
A03 52A	AR22	A0152A, A1287
A03 54A	AR21	A0154A, A1288
A03 56A	AR20	A0156A, A1289
A03 62A	INTGATORCONN	A1163A
A03 64A	*MATCH2*	A1165A
A03 66A	SINEDITHER	A0126B
A03 68A	-15V	
A03 70A	NEWENSREADY	AC556A
A03 72A	GNDA	A0101B, A0102B, A0171A, A0172A, A0201B, A0202B, A0271A, A0272A, A0301B, A0302B, A0371A, A0401B, A0402B, A0471A, A0472A, A0501B, A0502B, A0571A, A0572A, A0601B, A0602B, A0671A, A0672A, A0701B, A0702B, A0771A, A0772A, A0801B, A0802B, A0871A, A0872A, A0901B, A0902B, A0971A, A0972A, A1001B, A1002B, A1071A, A1072A, A1101B, A1102B, A1171A, A1172A, E06 , E08 , E11 , E13 , J0116
A03 01B	GNDA	A0101B, A0102B, A0171A, A0172A, A0201B, A0202B, A0271A, A0272A, A0302B, A0371A, A0372A, A0401B, A0402B, A0471A, A0472A, A0501B, A0502B, A0571A, A0572A, A0601B, A0602B, A0671A, A0672A, A0701B, A0702B, A0771A, A0772A, A0801B, A0802B, A0871A, A0872A, A0901B, A0902B, A0971A, A0972A, A1001B, A1002B, A1071A, A1072A, A1101B, A1102B, A1171A, A1172A, E06 , E08 , E11 , E13 , J0116
A03 05B	+15V	
A03 09B	ROMSIMULCONNECT	A1109B
A03 11B	*SINGLESTEPEN*	A1111B
A03 17B	PROGCOMPL	A0517B
A03 19B	DISPLAYREQUEST	A0820B, J0202
A03 49B	3000DATABUS2+1	A0249B, A0449B, A0549B, A0649B, A0749B, A0849B, A0949B, A1049B, A1149B, A1221
A03 51B	3000DATABUS2-1	A0251B, A0451B, A0551B, A0651B, A0751B, A0851B, A0951B, A1051B, A1151B, A1219
A03 53B	3000DATABUS2-3	A0253B, A0453B, A0553B, A0653B, A0753B, A0853B, A0953B, A1053B, A1153B, A1217
A03 55B	3000DATABUS2-5	A0255B, A0455B, A0555B, A0655B, A0755B, A0855B, A0955B, A1055B, A1155B, A1215
A03 57B	3000DATABUS2-7	A0257B, A0457B, A0557B, A0657B, A0757B, A0857B, A0957B, A1057B, A1157B, A1213
A03 59B	3000DATABUS2-9	A0259B, A0459B, A0559B, A0659B, A0759B, A0859B, A0959B, A1059B, A1159B, A1211
A03 61B	3000DATABUS2-11	A0261B, A0461B, A0561B, A0661B, A0761B, A0861B, A0961B, A1061B, A1161B, A1209

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

WIRE	SIGNAL NAME	DESTINATION
A03 67B	+5V	
A03 69B	01CLK	A0469B, A0569B, A0669B, A0769B, A0869B, A0969B, A1069B, A1169B
A03 71B	GNDB	A0101A, A0102A, A0171B, A0172B, A0201A, A0202A, A0271B, A0272B, A0301A, A0302A, A0372B, A0401A, A0402A, A0471B, A0472B, A0501A, A0502A, A0571B, A0572B, A0601A, A0602A, A0671B, A0672B, A0701A, A0702A, A0771B, A0772B, A0801A, A0802A, A0871B, A0872B, A0901A, A0902A, A0971B, A0972B, A1001A, A1002A, A1071B, A1072B, A1101A, A1102A, A1171B, A1172B, A1201 , A1202 , A12100, A1299
A03 02B	GNDA	A0101B, A0102B, A0171A, A0172A, A0201B, A0202B, A0271A, A0272A, A0301B, A0371A, A0372A, A0401B, A0402B, A0471A, A0472A, A0501B, A0502B, A0571A, A0572A, A0601B, A0602B, A0671A, A0672A, A0701B, A0702B, A0771A, A0772A, A0801B, A0802B, A0871A, A0872A, A0901B, A0902B, A0971A, A0972A, A1001B, A1002B, A1071A, A1072A, A1101B, A1102B, A1171A, A1172A, E06 , E08 , E11 , E13 , J0116
A03 06B	+15V	
A03 12B	MANUALSTEPSW	A1112B
A03 14B	*MATCH1*	A1114B
A03 18B	INPUTACK	A0518B
A03 26B	*TIME*	A0859A, A1241 , J0204
A03 28B	*EXECUTE*	A0428B, A0528B, A0928B, A1128B
A03 30B	INPUTREQUEST	A0530B
A03 48B	*INPUTDATAEN*	A0548B
A03 50B	3000DATABUSSIGN	A0250B, A0450B, A0550B, A0650B, A0750B, A0850B, A0950B, A1050B, A1150B, A1222
A03 52B	3000DATABUS2+0	A0252B, A0452B, A0552B, A0652B, A0752B, A0852B, A0952B, A1052B, A1152B, A1220
A03 54B	3000DATABUS2-2	A0254B, A0454B, A0554B, A0654B, A0754B, A0854B, A0954B, A1054B, A1154B, A1218
A03 56B	3000DATABUS2-4	A0256B, A0456B, A0556B, A0656B, A0756B, A0856B, A0956B, A1056B, A1156B, A1216
A03 58B	3000DATABUS2-6	A0258B, A0458B, A0558B, A0658B, A0758B, A0858B, A0958B, A1058B, A1158B, A1214
A03 60B	3000DATABUS2-8	A0260B, A0460B, A0560B, A0660B, A0760B, A0860B, A0960B, A1060B, A1160B, A1212
A03 62B	3000DATABUS2-10	A0262B, A0462B, A0562B, A0662B, A0762B, A0862B, A0962B, A1062B, A1162B, A1210
A03 68B	+5V	
A03 70B	02CLK	A0470B, A0570B, A0670B, A0770B, A0870B, A0970B,

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

WIRE	SIGNAL NAME	I---------- D E S T I N A T I O N --------I
		A1070B, A1170B
A03 72B	GNDD	A0101A, A0102A, A0171B, A0172B, A0201A, A0202A, A0271B, A0272B, A0301A, A0302A, A0371B, A0401A, A0402A, A0471B, A0472B, A0501A, A0502A, A0571B, A0572B, A0601A, A0602A, A0671B, A0672B, A0701A, A0702A, A0771B, A0772B, A0801A, A0802A, A0871B, A0872B, A0901A, A0902A, A0971B, A0972B, A1001A, A1002A, A1071B, A1072B, A1101A, A1102A, A1171B, A1172B, A1201 , A1202 , A12100, A1299

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

WIRE	SIGNAL NAME	DESTINATION
04 C1A	GNDD	A0101A, A0102A, A0171B, A0172B, A0201A, A0202A, A0271B, A0272B, A0301A, A0302A, A0371B, A0372B, A0402A, A0471B, A0472B, A0501A, A0502A, A0571B, A0572B, AC601A, A0602A, A0671B, A0672B, A0701A, A0702A, A0771B, A0772B, A0801A, A0802A, A0871B, A0872B, A0901A, A0902A, A0971B, A0972B, A1001A, A1002A, A1071B, A1072B, A1101A, A1102A, A1171B, A1172B, A1201 , A1202 , A12100, A1299
04 05A	+5V	
04 09A	ADRA0	A0309A, A0509A, A0609A, A0709A, A0809A, A0909A, A1009A, A1109A, A1224
04 11A	ADRA2	A0311A, A0511A, A0611A, A0711A, A0811A, A0911A, A1011A, A1111A, A1226
04 13A	ADRA4	A0313A, A0513A, A0613A, A0713A, A0813A, A0913A, A1013A, A1113A
A04 15A	ADRA6	A0315A, A0515A, A0615A, A0715A, A0815A, A0915A, A1015A, A1115A
04 17A	ARDA8	A0317A, A0517A, A0617A, A0717A, A0817A, A0917A, A1017A, A1117A
A04 19A	ADRA10	A0319A, A0519A, A0619A, A0719A, A0819A, A0919A, A1019A, A1119A
A04 21A	ADRA12	A0321A, A0521A, A0621A, A0721A, A0821A, A0921A, A1021A, A1121A
A04 63A	MULT2-12	A0663A
A04 67A	-15V	
A04 71A	GNDA	A0101B, A0102B, A0171A, A0172A, A0201B, A0202B, A0271A, A0272A, A0301B, A0302B, A0371A, A0372A, A0401B, A0402B, A0472A, A0501B, A0502B, A0571A, A0572A, A0601B, A0602B, A0671A, A0672A, A0701B, A0702B, A0771A, A0772A, A0801B, A0802B, A0871A, A0872A, A0901B, A0902B, A0971A, A0972A, A1001B, A1002B, A1071A, A1072A, A1101B, A1102B, A1171A, A1172A, E06 , E08 , E11 , E13 , J0116
A04 C2A	GNDR	A0101A, A0102A, A0171B, A0172B, A0201A, A0202A, A0271B, A0272B, A0301A, A0302A, A0371B, A0372B, A0401A, A0471B, A0472B, A0501A, A0502A, A0571B, A0572B, A0601A, A0602A, A0671B, A0672B, A0701A, A0702A, A0771B, A0772B, A0801A, A0802A, A0871B, A0872B, A0901A, A0902A, A0971B, A0972B, A1001A, A1002A, A1071B, A1072B, A1101A, A1102A, A1171B, A1172B, A1201 , A1202 , A12100, A1299
A04 06A	+5V	
A04 08A	*ENS 16*	A0508A, A0608A, E16

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

WIRE	SIGNAL NAME	DESTINATION
A04 10A	*ENS 32*	A0510A, A0610A, E15
A04 12A	ADRA1	A0312A, A0512A, A0612A, A0712A, A0812A, A0912A, A1012A, A1112A, A1225
A04 14A	ADRA3	A0314A, A0514A, A0614A, A0714A, A0814A, A0914A, A1014A, A1114A
A04 16A	ADRA5	A0316A, A0516A, A0616A, A0716A, A0816A, A0916A, A1016A, A1116A
A04 18A	ADRA7	A0318A, A0518A, A0618A, A0718A, A0818A, A0918A, A1018A, A1118A
A04 20A	ADRA9	A0320A, A0520A, A0620A, A0720A, A0820A, A0920A, A1020A, A1120A
A04 22A	ADRA11	A0322A, A0522A, A0622A, A0722A, A0822A, A0922A, A1022A, A1122A
A04 24A	ADRA13	A0324A, A0524A, A0624A, A0724A, A0824A, A0924A, A1024A, A1124A
A04 68A	-15V	
A04 72A	GNDA	A0101B, A0102B, A0171A, A0172A, A0201B, A0202B, A0271A, A0272A, A0301B, A0302B, A0371A, A0372A, A0401B, A0402B, A0471A, A0501B, A0502B, A0571A, A0572A, A0601B, A0602B, A0671A, A0672A, A0701B, A0702B, A0771A, A0772A, A0801B, A0802B, A0871A, A0872A, A0901B, A0902B, A0971A, A0972A, A1001B, A1002B, A1071A, A1072A, A1101B, A1102B, A1171A, A1172A, E06 , E08 , E11 , E13 , J0116
A04 01B	GNDA	A0101B, A0102B, A0171A, A0172A, A0201B, A0202B, A0271A, A0272A, A0301B, A0302B, A0371A, A0372A, A0402B, A0471A, A0472A, A0501B, A0502B, A0571A, A0572A, A0601B, A0602B, A0671A, A0672A, A0701B, A0702B, A0771A, A0772A, A0801B, A0802B, A0871A, A0872A, A0901B, A0902B, A0971A, A0972A, A1001B, A1002B, A1071A, A1072A, A1101B, A1102B, A1171A, A1172A, E06 , E08 , E11 , E13 , J0116
A04 05B	+15V	
A04 27B	DISABLEMULTSFT	A0526A
A04 29B	*ENDCURSTAGE*	A0529B, A0929B
A04 31B	*LOAD#2*	A0531B
A04 33B	*OVERFLOWTEST*	A0533B
A04 43B	*MULTBYPASSEN*	A0543B
A04 45B	*OVERFLOWEN*	A0545B
A04 49B	3000DATABUS2+1	A0249B, A0349B, A0549B, A0649B, A0749B, A0849B, A0949B, A1049B, A1149B, A1221
A04 51B	3000DATABUS2-1	A0251B, A0351B, A0551B, A0651B, A0751B, A0851B, A0951B, A1051B, A1151B, A1219

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

WIRE	SIGNAL NAME	DESTINATION
A04 53B	3000DATABUS2-3	A0253B, A0353B, A0553B, A0653B, A0753B, A0853B, A0953B, A1053B, A1153B, A1217
A04 55B	3000DATABUS2-5	A0255B, A0355B, A0555B, A0655B, A0755B, A0855B, A0955B, A1055B, A1155B, A1215
A04 57B	3000DATABUS2-7	A0257B, A0357B, A0557B, A0657B, A0757B, A0857B, A0957B, A1057B, A1157B, A1213
A04 59B	3000DATABUS2-9	A0259B, A0359B, A0559B, A0659B, A0759B, A0859B, A0959B, A1059B, A1159B, A1211
A04 61B	3000DATABUS2-11	A0261B, A0361B, A0561B, A0661B, A0761B, A0861B, A0961B, A1061B, A1161B, A1209
A04 67B	+5V	
A04 69B	01CLK	A0369B, A0569B, A0669B, A0769B, A0869B, A0969B, A1069B, A1169B
A04 71B	GNDB	A0101A, A0102A, A0171B, A0172B, A0201A, A0202A, A0271B, A0272B, A0301A, A0302A, A0371B, A0372B, A0401A, A0402A, A0472B, A0501A, A0502A, A0571B, A0572B, A0601A, A0602A, A0671B, A0672B, A0701A, A0702A, A0771B, A0772B, A0801A, A0802A, A0871B, A0872B, A0901A, A0902A, A0971B, A0972B, A1001A, A1002A, A1071B, A1072B, A1101A, A1102A, A1171B, A1172B, A1201 , A1202 , A1210, A1299
A04 02B	GNDA	A0101B, A0102B, A0171A, A0172A, A0201B, A0202B, A0271A, A0272A, A0301B, A0302B, A0371A, A0372A, A0401B, A0471A, A0472A, A0501B, A0502B, A0571A, A0572A, A0601B, A0602B, A0671A, A0672A, A0701B, A0702B, A0771A, A0772A, A0801B, A0802B, A0871A, A0872A, A0901B, A0902B, A0971A, A0972A, A1001B, A1002B, A1071A, A1072A, A1101B, A1102B, A1171A, A1172A, E06 , E08 , E11 , E13 , J0116
A04 06B	+15V	
A04 22B	MULTCOMPL	A0522B
A04 24B	CLRENMULTCOMPL	A0524B
A04 28B	*EXECUTE*	A0328B, A0528B, A0928B, A1128B
A04 32B	*CLRSHIFTCONT*	A0532B
A04 34B	*LOAD#1*	A0534B
A04 46B	*PRODUCTENABLE*	A0546B, A0665A
A04 50B	3000DATABUSSIGN	A0250B, A0350B, A0550B, A0650B, A0750B, A0850B, A0950B, A1050B, A1150B, A1222
A04 52B	3000DATABUS2+0	A0252B, A0352B, A0552B, A0652B, A0752B, A0852B, A0952B, A1052B, A1152B, A1220
A04 54B	3000DATABUS2-2	A0254B, A0354B, A0554B, A0654B, A0754B, A0854B, A0954B, A1054B, A1154B, A1218
A04 56B	3000DATABUS2-4	A0256B, A0356B, A0556B, A0656B, A0756B, A0856B,

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

WIRE	SIGNAL NAME	DESTINATION
		A0956B, A1056B, A1156B, A1216
A04 58B	3000DATABUS2-6	A0258B, A0358B, A0558B, A0658B, A0758B, A0858B, A0958B, A1058B, A1158B, A1214
A04 60B	3000DATABUS2-8	A0260B, A0360B, A0560B, A0660B, A0760B, A0860B, A0960B, A1060B, A1160B, A1212
A04 62B	3000DATABUS2-10	A0262B, A0362B, A0562B, A0662B, A0762B, A0862B, A0962B, A1062B, A1162B, A1210
A04 68B	+5V	
A04 70B	C2CLK	A0370B, A0570B, A0670B, A0770B, A0870B, A0970B, A1070B, A1170B
A04 72B	GNDB	A0101A, A0102A, A0171B, A0172B, A0201A, A0202A, A0271B, A0272B, A0301A, A0302A, A0371B, A0372B, A0401A, A0402A, A0471B, A0501A, A0502A, A0571B, A0572B, A0601A, A0602A, A0671B, A0672B, A0701A, A0702A, A0771B, A0772B, A0801A, A0802A, A0871B, A0872B, A0901A, A0902A, A0971B, A0972B, A1001A, A1002A, A1071B, A1072B, A1101A, A1102A, A1171B, A1172B, A1201 , A1202 , A12100, A1299

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

WIRE	SIGNAL NAME	DESTINATION
A05 01A	GNDB	A0101A, A0102A, A0171B, A0172B, A0201A, A0202A, A0271B, A0272B, A0301A, A0302A, A0371B, A0372B, A0401A, A0402A, A0471B, A0472B, A0502A, A0571B, A0572B, A0601A, A0602A, A0671B, A0672B, A0701A, A0702A, A0771B, A0772B, A0801A, A0802A, A0871B, A0872B, A0901A, A0902A, A0971B, A0972B, A1001A, A1002A, A1071B, A1072B, A1101A, A1102A, A1171B, A1172B, A1201 , A1202 , A12100, A1299
A05 05A	+5V	
A05 09A	ADRA0	A0309A, A0409A, A0609A, A0709A, A0809A, A0909A, A1009A, A1109A, A1224
A05 11A	ADRA2	A0311A, A0411A, A0611A, A0711A, A0811A, A0911A, A1011A, A1111A, A1226
A05 13A	ADRA4	A0313A, A0413A, A0613A, A0713A, A0813A, A0913A, A1013A, A1113A
A05 15A	ADRA6	A0315A, A0415A, A0615A, A0715A, A0815A, A0915A, A1015A, A1115A
A05 17A	ARDA8	A0317A, A0417A, A0617A, A0717A, A0817A, A0917A, A1017A, A1117A
A05 19A	ADRA10	A0319A, A0419A, A0619A, A0719A, A0819A, A0919A, A1019A, A1119A
A05 21A	ADRA12	A0321A, A0421A, A0621A, A0721A, A0821A, A0921A, A1021A, A1121A
A05 27A	CLKSWLATCH	A1242
A05 29A	KBUS1	A0629A
A05 31A	KBUS3	A0631A
A05 33A	KBUS5	A0633A
A05 35A	KBUS7	A0635A
A05 37A	KBUS9	A0637A
A05 39A	KBUS11	A0639A
A05 41A	KBUS13	A0641A
A05 43A	K1	A0643A
A05 45A	*GROUPII*	A0145A, A0146A, A0345A
A05 47A	CPECLKCONTROL	A0647A
A05 49A	CPECODEF1	A0649A
A05 51A	CPECODEF3	A0651A
A05 53A	CPECODEF5	A0653A
A05 55A	*SELECT0*	A1156A
A05 57A	BUFFEREDI0	A1160A, A1272
A05 59A	SWCODEA0	A1284
A05 61A	BUFFEREDI1	A1162A, A1273
A05 63A	BUFFEREDI2	A1164A, A1274
A05 65A	BUFFEREDI3	A1166A, A1275

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

TYPE	SIGNAL NAME	DESTINATION
A05 67A	-15V	
A05 69A	BUFFERED14	A1276
A05 71A	GNDA	A0101B, A0102B, A0171A, A0172A, A0201B, A0202B, A0271A, A0272A, A0301B, A0302B, A0371A, A0372A, A0401B, A0402B, A0471A, A0472A, A0501B, A0502B, A0572A, A0601B, A0602B, A0671A, A0672A, A0701B, A0702B, A0771A, A0772A, A0801B, A0802B, A0871A, A0872A, A0901B, A0902B, A0971A, A0972A, A1001B, A1002B, A1071A, A1072A, A1101B, A1102B, A1171A, A1172A, E06 , E08 , E11 , E13 , J0116
A05 02A	GNDB	A0101A, A0102A, A0171B, A0172B, A0201A, A0202A, A0271B, A0272B, A0301A, A0302A, A0371B, A0372B, A0401A, A0402A, A0471B, A0472B, A0501A, A0571B, A0572B, A0601A, A0602A, A0671B, A0672B, A0701A, A0702A, A0771B, A0772B, A0801A, A0802A, A0871B, A0872B, A0901A, A0902A, A0971B, A0972B, A1001A, A1002A, A1071B, A1072B, A1101A, A1102A, A1171B, A1172B, A1201 , A1202 , A12100, A1299
A05 06A	+5V	
A05 08A	*ENS 16*	A0408A, A0608A, E16
A05 10A	*ENS 32*	A0410A, A0610A, E15
A05 12A	ADRA1	A0312A, A0412A, A0612A, A0712A, A0812A, A0912A, A1012A, A1112A, A1225
A05 14A	ADRA3	A0314A, A0414A, A0614A, A0714A, A0814A, A0914A, A1014A, A1114A
A05 16A	ADRA5	A0316A, A0416A, A0616A, A0716A, A0816A, A0916A, A1016A, A1116A
A05 18A	ADRA7	A0318A, A0418A, A0618A, A0718A, A0818A, A0918A, A1018A, A1118A
A05 20A	ADRA9	A0320A, A0420A, A0620A, A0720A, A0820A, A0920A, A1020A, A1120A
A05 22A	ADRA11	A0322A, A0422A, A0622A, A0722A, A0822A, A0922A, A1022A, A1122A
A05 24A	ADRA13	A0324A, A0424A, A0624A, A0724A, A0824A, A0924A, A1024A, A1124A
A05 26A	DISABLEMULTSFT	A0427B
A05 30A	KBUS0	A0630A
A05 32A	KBUS2	A0632A
A05 34A	KBUS4	A0634A
A05 36A	KBUS6	A0636A
A05 38A	KBUS8	A0638A
A05 40A	KBUS10	A0640A
A05 42A	KBUS12	A0642A

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

WIRE	SIGNAL NAME	DESTINATION
A05 29B	*ENDCURSTAGE*	A0429B, A0929B
A05 31B	*LOAD#2*	A0431B
A05 33B	*OVERFLOWTEST*	A0433B
A05 35B	*LOADSINADRREG*	A0935B
A05 37B	*LOADADRSELCTR*	A0937B
A05 39B	*3000REQUEST*	A0839B
A05 41B	*MEMWRITE*	A0741B, A0841B, A1264
A05 43B	*MULTBYPASSEN*	A0443B
A05 45B	*OVERFLOWEN*	A0445B
A05 47B	*OVERALLEN*	A0247B
A05 49B	3000DATABUS2+1	A0249B, A0349B, A0449B, A0649B, A0749B, A0849B, A0949B, A1049B, A1149B, A1221
A05 51B	3000DATABUS2-1	A0251B, A0351B, A0451B, A0651B, A0751B, A0851B, A0951B, A1051B, A1151B, A1219
A05 53B	3000DATABUS2-3	A0253B, A0353B, A0453B, A0653B, A0753B, A0853B, A0953B, A1053B, A1153B, A1217
A05 55B	3000DATABUS2-5	A0255B, A0355B, A0455B, A0655B, A0755B, A0855B, A0955B, A1055B, A1155B, A1215
A05 57B	3000DATABUS2-7	A0257B, A0357B, A0457B, A0657B, A0757B, A0857B, A0957B, A1057B, A1157B, A1213
A05 59B	3000DATABUS2-9	A0259B, A0359B, A0459B, A0659B, A0759B, A0859B, A0959B, A1059B, A1159B, A1211
A05 61B	3000DATABUS2-11	A0261B, A0361B, A0461B, A0661B, A0761B, A0861B, A0961B, A1061B, A1161B, A1209
A05 63B	*CPEDATAEN*	A0663B
A05 65B	*DATAMEMEN*	A0765B
A05 67B	+5V	
A05 69B	01CLK	A0369B, A0469B, A0669B, A0769B, A0869B, A0969B, A1069B, A1169B
A05 71B	GNDB	A0101A, A0102A, A0171B, A0172B, A0201A, A0202A, A0271B, A0272B, A0301A, A0302A, A0371B, A0372B, A0401A, A0402A, A0471B, A0472B, A0501A, A0502A, A0572B, A0601A, A0602A, A0671B, A0672B, A0701A, A0702A, A0771B, A0772B, A0801A, A0802A, A0871B, A0872B, A0901A, A0902A, A0971B, A0972B, A1001A, A1002A, A1071B, A1072B, A1101A, A1102A, A1171B, A1172B, A1201 , A1202 , A12100, A1299
A05 02B	GNDA	A0101B, A0102B, A0171A, A0172A, A0201B, A0202B, A0271A, A0272A, A0301B, A0302B, A0371A, A0372A, A0401B, A0402B, A0471A, A0472A, A0501B, A0571A, A0572A, A0601B, A0602B, A0671A, A0672A, A0701B, A0702B, A0771A, A0772A, A0801B, A0802B, A0871A, A0872A, A0901B, A0902B, A0971A, A0972A, A1001B,

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

WIRE	SIGNAL NAME	DESTINATION
		A1002B, A1071A, A1072A, A1101B, A1102B, A1171A, A1172A, E06 , E08 , E11 , E13 , J0116
A05 04B	3000ACCESSEN	A0804B
A05 06B	+15V	
A05 08B	EXTINTERRUPT	A1108B
A05 10B	SIGNTEST	A0610B
A05 12B	*LSD+2EN*	A1266
A05 14B	*LSD+1EN*	A1263
A05 16B	CPEUNDFLSLICE6	A0616B
A05 18B	INPUTACK	A0318B
A05 20B	A11-B-20	A1120B
A05 22B	MULTCOMPL	A0422B
A05 24B	CLRENMULTCOMPL	A0424B
A05 28B	*EXECUTE*	A0328B, A0428B, A0928B, A1128B
A05 30B	INPUTREQUEST	A0330B
A05 32B	*CLRSHIFTCONT*	A0432B
A05 34B	*LOAD#1*	A0434B
A05 36B	*ENSCRTSTROBE*	A0636B
A05 38B	*WRITEADRRAM*	A0638B, A0938B
A05 40B	*CACCLOCK*	A0940B
A05 42B	*CKADRRAMSELRG*	A0942B
A05 44B	ENSWCODE	A1270
A05 46B	*PRODUCTEN*	A0446B
A05 48B	*INPUTDATAEN*	A0348B
A05 50B	3000DATABUSSIGN	A0250B, A0350B, A0450B, A0650B, A0750B, A0850B, A0950B, A1050B, A1150B, A1222
A05 52B	3000DATABUS2+0	A0252B, A0352B, A0452B, A0652B, A0752B, A0852B, A0952B, A1052B, A1152B, A1220
A05 54B	3000DATABUS2-2	A0254B, A0354B, A0454B, A0654B, A0754B, A0854B, A0954B, A1054B, A1154B, A1218
A05 56B	3000DATABUS2-4	A0256B, A0356B, A0456B, A0656B, A0756B, A0856B, A0956B, A1056B, A1156B, A1216
A05 58B	3000DATABUS2-6	A0258B, A0358B, A0458B, A0658B, A0758B, A0858B, A0958B, A1058B, A1158B, A1214
A05 60B	3000DATABUS2-8	A0260B, A0360B, A0460B, A0660B, A0760B, A0860B, A0960B, A1060B, A1160B, A1212
A05 62B	3000DATABUS2-10	A0262B, A0362B, A0462B, A0662B, A0762B, A0862B, A0962B, A1062B, A1162B, A1210
A05 64B	*CPEADREN*	A0664B, A0964B
A05 66B	*BIPOLARROMEN*	A0766B
A05 68B	+5V	
A05 70B	02CLK	A0370B, A0470B, A0670B, A0770B, A0870B, A0970B, A1070B, A1170B

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

WIRE	SIGNAL NAME	DESTINATION
A05 72B	GNDB	A0101A, A0102A, A0171B, A0172B, A0201A, A0202A, A0271B, A0272B, A0301A, A0302A, A0371B, A0372B, A0401A, A0402A, A0471B, A0472B, A0501A, A0502A, A0571B, A0601A, A0602A, A0671B, A0672B, A0701A, A0702A, A0771B, A0772B, A0801A, A0802A, A0871B, A0872B, A0901A, A0902A, A0971B, A0972B, A1001A, A1002A, A1071B, A1072B, A1101A, A1102A, A1171B, A1172B, A1201 , A1202 , A12100, A1299

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

WIRE	SIGNAL NAME	DESTINATION
A06 01A	GNDB	A0101A, A0102A, A0171B, A0172B, A0201A, A0202A, A0271B, A0272B, A0301A, A0302A, A0371B, A0372B, A0401A, A0402A, A0471B, A0472B, A0501A, A0502A, A0571B, A0572B, A0602A, A0671B, A0672B, A0701A, A0702A, A0771B, A0772B, A0801A, A0802A, A0871B, A0872B, A0901A, A0902A, A0971B, A0972B, A1001A, A1002A, A1071B, A1072B, A1101A, A1102A, A1171B, A1172B, A1201 , A1202 , A12100, A1299
A06 05A	+5V	
A06 09A	ADRA0	A0309A, A0409A, A0509A, A0709A, A0809A, A0909A, A1009A, A1109A, A1224
A06 11A	ADRA2	A0311A, A0411A, A0511A, A0711A, A0811A, A0911A, A1011A, A1111A, A1226
A06 13A	ADRA4	A0313A, A0413A, A0513A, A0713A, A0813A, A0913A, A1013A, A1113A
A06 15A	ADRA6	A0315A, A0415A, A0515A, A0715A, A0815A, A0915A, A1015A, A1115A
A06 17A	ADRA8	A0317A, A0417A, A0517A, A0717A, A0817A, A0917A, A1017A, A1117A
A06 19A	ADRA10	A0319A, A0419A, A0519A, A0719A, A0819A, A0919A, A1019A, A1119A
A06 21A	ADRA12	A0321A, A0421A, A0521A, A0721A, A0821A, A0921A, A1021A, A1121A
A06 25A	1HZCLK	A0225A, A0325A
A06 27A	MEMHOLD	A0327A
A06 29A	KBUS1	A0529A
A06 31A	KBUS3	A0531A
A06 33A	KBUS5	A0533A
A06 35A	KBUS7	A0535A
A06 37A	KBUS9	A0537A
A06 39A	KBUS11	A0539A
A06 41A	KBUS13	A0541A
A06 43A	K1	A0543A
A06 47A	CPECLKCONTROL	A0547A
A06 49A	CPECODEF1	A0549A
A06 51A	CPECODEF3	A0551A
A06 53A	CPECODEF5	A0553A
A06 57A	SCOPE-X	A0658A, A0758A, E12
A06 63A	MULT2-12	A0463A
A06 65A	*PRODUCTENABLE*	A0446B
A06 67A	-15V	
A06 71A	GNDA	A0101B, A0102B, A0171A, A0172A, A0201B, A0202B, A0271A, A0272A, A0301B, A0302B, A0371A, A0372A,

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

WIRE	SIGNAL NAME	DESTINATION
		A0401B, A0402B, A0471A, A0472A, A0501B, A0502B, A0571A, A0572A, A0601B, A0602B, A0672A, A0701B, A0702B, A0771A, A0772A, A0801B, A0802B, A0871A, A0872A, A0901B, A0902B, A0971A, A0972A, A1001B, A1002B, A1071A, A1072A, A1101B, A1102B, A1171A, A1172A, E06 , E08 , E11 , E13 , J0116
002A	GNDB	A0101A, A0102A, A0171B, A0172B, A0201A, A0202A, A0271B, A0272B, A0301A, A0302A, A0371B, A0372B, A0401A, A0402A, A0471B, A0472B, A0501A, A0502A, A0571B, A0572B, A0601A, A0671B, A0672B, A0701A, A0702A, A0771B, A0772B, A0801A, A0802A, A0871B, A0872B, A0901A, A0902A, A0971B, A0972B, A1001A, A1002A, A1071B, A1072B, A1101A, A1102A, A1171B, A1172B, A1201 , A1202 , A12100, A1299
006A	+5V	
008A	*ENS 16*	A0408A, A0508A, E16
010A	*ENS 32*	A0410A, A0510A, E15
012A	ADRA1	A0312A, A0412A, A0512A, A0712A, A0812A, A0912A, A1012A, A1112A, A1225
014A	ADRA3	A0314A, A0414A, A0514A, A0714A, A0814A, A0914A, A1014A, A1114A
016A	ADRA5	A0316A, A0416A, A0516A, A0716A, A0816A, A0916A, A1016A, A1116A
018A	ADRA7	A0318A, A0418A, A0518A, A0718A, A0818A, A0918A, A1018A, A1118A
020A	ADRA9	A0320A, A0420A, A0520A, A0720A, A0820A, A0920A, A1020A, A1120A
022A	ADRA11	A0322A, A0422A, A0522A, A0722A, A0822A, A0922A, A1022A, A1122A
024A	ADRA13	A0324A, A0424A, A0524A, A0724A, A0824A, A0924A, A1024A, A1124A
026A	*ENS 8*	E18
028A	*ENS 64*	E17
030A	KBUS0	A0530A
032A	KBUS2	A0532A
034A	KBUS4	A0534A
036A	KBUS6	A0536A
038A	KBUS8	A0538A
040A	KBUS10	A0540A
042A	KBUS12	A0542A
044A	K2	A0544A
046A	C1	A0546A
048A	CPECODEF0	A0548A

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

WIRE	SIGNAL NAME	DESTINATION
106 50A	CPECODEF2	A0550A
106 52A	CPECODEF4	A0552A
106 54A	CPECODEF6	A0554A
106 58A	SCOPE-X	A0657A, A0758A, E12
106 68A	-15V	
106 72A	GNDA	A0101B, A0102B, A0171A, A0172A, A0201B, A0202B, A0271A, A0272A, A0301B, A0302B, A0371A, A0372A, A0401B, A0402B, A0471A, A0472A, A0501B, A0502B, A0571A, A0572A, A0601B, A0602B, A0671A, A0701B, A0702B, A0771A, A0772A, A0801B, A0802B, A0871A, A0872A, A0901B, A0902B, A0971A, A0972A, A1001B, A1002B, A1071A, A1072A, A1101B, A1102B, A1171A, A1172A, E06 , E08 , E11 , E13 , J0116
106 01B	GNDA	A0101B, A0102B, A0171A, A0172A, A0201B, A0202B, A0271A, A0272A, A0301B, A0302B, A0371A, A0372A, A0401B, A0402B, A0471A, A0472A, A0501B, A0502B, A0571A, A0572A, A0602B, A0671A, A0672A, A0701B, A0702B, A0771A, A0772A, A0801B, A0802B, A0871A, A0872A, A0901B, A0902B, A0971A, A0972A, A1001B, A1002B, A1071A, A1072A, A1101B, A1102B, A1171A, A1172A, E06 , E08 , E11 , E13 , J0116
106 03B	ZEROSET	A0503B
106 05B	+15V	
106 07B	CARRYSET	A0507B
106 13B	SHIFTBITSET	A0513B
106 15B	CPEOVFLSLICE6	A0515B
106 21B	CPEOVFLSLICE5	A0521B
106 31B	AVG20	A1257
106 33B	AVGORPEAKSET	A1259
106 39B	*CACCLOCK	A0640B
106 43B	AVGSTART	A1250
106 45B	ENSEMBLE 32	A1251
106 47B	ENSEMBLE 8	A1253
106 49B	3000DATABUS2+1	A0249B, A0349B, A0449B, A0549B, A0749B, A0849B, A0949B, A1049B, A1149B, A1221
106 51B	3000DATABUS2-1	A0251B, A0351B, A0451B, A0551B, A0751B, A0851B, A0951B, A1051B, A1151B, A1219
106 53B	3000DATABUS2-3	A0253B, A0353B, A0453B, A0553B, A0753B, A0853B, A0953B, A1053B, A1153B, A1217
106 55B	3000DATABUS2-5	A0255B, A0355B, A0455B, A0555B, A0755B, A0855B, A0955B, A1055B, A1155B, A1215
106 57B	3000DATABUS2-7	A0257B, A0357B, A0457B, A0557B, A0757B, A0857B, A0957B, A1057B, A1157B, A1213

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

WIRE	SIGNAL NAME	DESTINATION
A06 59B	3000DATABUS2-9	A0259B, A0359B, A0459B, A0559B, A0759B, A0859B, A0959B, A1059B, A1159B, A1211
A06 61B	3000DATABUS2-11	A0261B, A0361B, A0461B, A0561B, A0761B, A0861B, A0961B, A1061B, A1161B, A1209
A06 63B	*CPEDATAEN*	A0563B
A06 67B	+5V	
A06 69B	01CLK	A0369B, A0469B, A0569B, A0769B, A0869B, A0969B, A1069B, A1169B
A06 71B	GNDB	A0101A, A0102A, A0171B, A0172B, A0201A, A0202A, A0271B, A0272B, A0301A, A0302A, A0371B, A0372B, A0401A, A0402A, A0471B, A0472B, A0501A, A0502A, A0571B, A0572B, A0601A, A0602A, A0672B, A0701A, A0702A, A0771B, A0772B, A0801A, A0802A, A0871B, A0872B, A0901A, A0902A, A0971B, A0972B, A1001A, A1002A, A1071B, A1072B, A1101A, A1102A, A1171B, A1172B, A1201 , A1202 , A12100, A1299
A06 02B	GNDA	A0101B, A0102B, A0171A, A0172A, A0201B, A0202B, A0271A, A0272A, A0301B, A0302B, A0371A, A0372A, A0401B, A0402B, A0471A, A0472A, A0501B, A0502B, A0571A, A0572A, A0601B, A0671A, A0672A, A0701B, A0702B, A0771A, A0772A, A0801B, A0802B, A0871A, A0872A, A0901B, A0902B, A0971A, A0972A, A1001B, A1002B, A1071A, A1072A, A1101B, A1102B, A1171A, A1172A, E06 , E08 , E11 , E13 , J0116
A06 06B	+15V	
A06 10B	SIGNTEST	A0510B
A06 16B	CPEUNDFLSLICE6	A0516B
A06 24B	SELNCOFENSEMBLE	A0523B
A06 32B	AVG21	A1256
A06 34B	STORELED	A1258
A06 36B	*ENSCRTSTROBE*	A0536B
A06 38B	*WRITEADRRAM*	A0538B, A0938B
A06 40B	*CACCLOCK	A0639B
A06 46B	ENSEMBLE 64	A1252
A06 48B	ENSEMBLE 16	A1254
A06 50B	3000DATABUSSIGN	A0250B, A0350B, A0450B, A0550B, A0750B, A0850B, A0950B, A1050B, A1150B, A1222
A06 52B	3000DATABUS2+0	A0252B, A0352B, A0452B, A0552B, A0752B, A0852B, A0952B, A1052B, A1152B, A1220
A06 54B	3000DATABUS2-2	A0254B, A0354B, A0454B, A0554B, A0754B, A0854B, A0954B, A1054B, A1154B, A1218
A06 56B	3000DATABUS2-4	A0256B, A0356B, A0456B, A0556B, A0756B, A0856B, A0956B, A1056B, A1156B, A1216

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

WIRE	SIGNAL NAME	I---------- D E S T I N A T I O N --------I
A06 58B	3000DATABUS2-6	A0258B, A0358B, A0458B, A0558B, A0758B, A0858B, A0958B, A1058B, A1158B, A1214
A06 60B	3000DATABUS2-8	A0260B, A0360B, A0460B, A0560B, A0760B, A0860B, A0960B, A1060B, A1160B, A1212
A06 62B	3000DATABUS2-10	A0262B, A0362B, A0462B, A0562B, A0762B, A0862B, A0962B, A1062B, A1162B, A1210
A06 64B	*CPEADREN*	A0564B, A0964B
A06 68B	+5V	
A06 70B	02CLK	A0370B, A0470B, A0570B, A0770B, A0870B, A0970B, A1070B, A1170B
A06 72B	GNDB	A0101A, A0102A, A0171B, A0172B, A0201A, A0202A, A0271B, A0272B, A0301A, A0302A, A0371B, A0372B, A0401A, A0402A, A0471B, A0472B, A0501A, A0502A, A0571B, A0572B, A0601A, A0602A, A0671B, A0701A, A0702A, A0771B, A0772B, A0801A, A0802A, A0871B, A0872B, A0901A, A0902A, A0971B, A0972B, A1001A, A1002A, A1071B, A1072B, A1101A, A1102A, A1171B, A1172B, A1201 , A1202 , A12100, A1299

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

WIRE	SIGNAL NAME	DESTINATION
A07 01A	GNDB	A0101A, A0102A, A0171B, A0172B, A0201A, A0202A, A0271B, A0272B, A0301A, A0302A, A0371B, A0372B, A0401A, A0402A, A0471B, A0472B, A0501A, A0502A, A0571B, A0572B, A0601A, A0602A, A0671B, A0672B, A0702A, A0771B, A0772B, A0801A, A0802A, A0871B, A0872B, A0901A, A0902A, A0971B, A0972B, A1001A, A1002A, A1071B, A1072B, A1101A, A1102A, A1171B, A1172B, A1201 , A1202 , A12100, A1299
A07 05A	+5V	
A07 09A	ADRA0	A0309A, A0409A, A0509A, A0609A, A0809A, A0909A, A1009A, A1109A, A1224
A07 11A	ADRA2	A0311A, A0411A, A0511A, A0611A, A0811A, A0911A, A1011A, A1111A, A1226
A07 13A	ADRA4	A0313A, A0413A, A0513A, A0613A, A0813A, A0913A, A1013A, A1113A
A07 15A	ADRA6	A0315A, A0415A, A0515A, A0615A, A0815A, A0915A, A1015A, A1115A
A07 17A	ARDA8	A0317A, A0417A, A0517A, A0617A, A0817A, A0917A, A1017A, A1117A
A07 19A	ADRA10	A0319A, A0419A, A0519A, A0619A, A0819A, A0919A, A1019A, A1119A
A07 21A	ADRA12	A0321A, A0421A, A0521A, A0621A, A0821A, A0921A, A1021A, A1121A
A07 27A	SINEADR0	A0827A, A0927A
A07 29A	SINEADR2	A0829A, A0929A
A07 31A	SINEADR4	A0831A, A0931A
A07 33A	SINEADR6	A0833A, A0933A
A07 35A	SINEADR8	A0835A, A0935A
A07 37A	XCTRPRESET21	A0837A
A07 39A	XCTRPRESET23	A0839A
A07 41A	XCTRPRESET25	A0841A
A07 43A	XCTRPRESET27	A0843A
A07 45A	CLRXCTR	A0845A
A07 47A	CLKXCTR	A0847A
A07 49A	REFRESHWRITECPU	A0849A
A07 51A	SELCTRADRSOURCE	A0851A
A07 53A	CELL408	A0853A
A07 57A	MEM 0	A0856A
A07 59A	Y-SPECT	A0259A
A07 67A	-15V	
A07 69A	X-SWEEP	A0269A
A07 71A	GNDA	A0101B, A0102B, A0171A, A0172A, A0201B, A0202B, A0271A, A0272A, A0301B, A0302B, A0371A, A0372A,

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

WIRE	SIGNAL NAME	I---------- D E S T I N A T I O N --------I
		A0401B, A0402B, A0471A, A0472A, A0501B, A0502B, A0571A, A0572A, A0601B, A0602B, A0671A, A0672A, A0701B, A0702B, A0772A, A0801B, A0802B, A0871A, A0872A, A0901B, A0902B, A0971A, A0972A, A1001B, A1002B, A1071A, A1072A, A1101B, A1102B, A1171A, A1172A, E06 , E08 , E11 , E13 , J0116
A07 02A	GND8	A0101A, A0102A, A0171B, A0172B, A0201A, A0202A, A0271B, A0272B, A0301A, A0302A, A0371B, A0372B, A0401A, A0402A, A0471B, A0472B, A0501A, A0502A, A0571B, A0572B, A0601A, A0602A, A0671B, A0672B, A0701A, A0771B, A0772B, A0801A, A0802A, A0871B, A0872B, A0901A, A0902A, A0971B, A0972B, A1001A, A1002A, A1071B, A1072B, A1101A, A1102A, A1171B, A1172B, A1201 , A1202 , A1210, A1299
A07 04A	*FREQMATCH*	A0204A, A0803A
A07 06A	+5V	
A07 10A	*INTENSIFY*	A0810A
A07 12A	ADRA1	A0312A, A0412A, A0512A, A0612A, A0812A, A0912A, A1012A, A1112A, A1225
A07 14A	ADRA3	A0314A, A0414A, A0514A, A0614A, A0814A, A0914A, A1014A, A1114A
A07 16A	ADRA5	A0316A, A0416A, A0516A, A0616A, A0816A, A0916A, A1016A, A1116A
A07 18A	ADRA7	A0318A, A0418A, A0518A, A0618A, A0818A, A0918A, A1018A, A1118A
A07 20A	ADRA9	A0320A, A0420A, A0520A, A0620A, A0820A, A0920A, A1020A, A1120A
A07 22A	ADRA11	A0322A, A0422A, A0522A, A0622A, A0822A, A0922A, A1022A, A1122A
A07 24A	ADRA13	A0324A, A0424A, A0524A, A0624A, A0824A, A0924A, A1024A, A1124A
A07 30A	SINEADR1	A0830A, A0930A
A07 32A	SINEADR3	A0832A, A0932A
A07 34A	SINEADR5	A0834A, A0934A
A07 36A	SINEADR7	A0836A, A0936A
A07 38A	XCTRPRESET20	A0838A
A07 40A	XCTRPRESET22	A0840A
A07 42A	XCTRPRESET24	A0842A
A07 44A	XCTRPRESET26	A0844A
A07 46A	XCTRPRESET28	A0846A
A07 48A	LOADXCTR	A0848A
A07 50A	LOADYDAC	A0850A
A07 52A	REFRESHWRITECRT	A0852A

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

WIRE	SIGNAL NAME	DESTINATION
A07 54A	SETREFRESHMSB	A0854A
A07 58A	SCOPE-X	A0657A, A0658A, E12
A07 68A	-15V	
A07 72A	GNDA	A0101B, A0102B, A0171A, A0172A, A0201B, A0202B, A0271A, A0272A, A0301B, A0302B, A0371A, A0372A, A0401B, A0402B, A0471A, A0472A, A0501B, A0502B, A0571A, A0572A, A0601B, A0602B, A0671A, A0672A, A0701B, A0702B, A0771A, A0801B, A0802B, A0871A, A0872A, A0901B, A0902B, A0971A, A0972A, A1001B, A1002B, A1071A, A1072A, A1101B, A1102B, A1171A, A1172A, E06 , E08 , E11 , E13 , J0116
A07 01B	GNDA	A0101B, A0102B, A0171A, A0172A, A0201B, A0202B, A0271A, A0272A, A0301B, A0302B, A0371A, A0372A, A0401B, A0402B, A0471A, A0472A, A0501B, A0502B, A0571A, A0572A, A0601B, A0602B, A0671A, A0672A, A0702B, A0771A, A0772A, A0801B, A0802B, A0871A, A0872A, A0901B, A0902B, A0971A, A0972A, A1001B, A1002B, A1071A, A1072A, A1101B, A1102B, A1171A, A1172A, E06 , E08 , E11 , E13 , J0116
A07 05B	+15V	
A07 07B	SCOPE-Y	E10
A07 09B	EXTLINECURSOR	J0201
A07 41B	*MEMWRITE*	A0541B, A0841B, A1264
A07 43B	SEL3000ADRTOLED	A0744B, A1240
A07 49B	3000DATABUS2+1	A0249B, A0349B, A0449B, A0549B, A0649B, A0849B, A0949B, A1049B, A1149B, A1221
A07 51B	3000DATABUS2-1	A0251B, A0351B, A0451B, A0551B, A0651B, A0851B, A0951B, A1051B, A1151B, A1219
A07 53B	3000DATABUS2-3	A0253B, A0353B, A0453B, A0553B, A0653B, A0853B, A0953B, A1053B, A1153B, A1217
A07 55B	3000DATABUS2-5	A0255B, A0355B, A0455B, A0555B, A0655B, A0855B, A0955B, A1055B, A1155B, A1215
A07 57B	3000DATABUS2-7	A0257B, A0357B, A0457B, A0557B, A0657B, A0857B, A0957B, A1057B, A1157B, A1213
A07 59B	3000DATABUS2-9	A0259B, A0359B, A0459B, A0559B, A0659B, A0859B, A0959B, A1059B, A1159B, A1211
A07 61B	3000DATABUS2-11	A0261B, A0361B, A0461B, A0561B, A0661B, A0861B, A0961B, A1061B, A1161B, A1209
A07 65B	*DATAMEMEN*	A0565B
A07 67B	+5V	
A07 69B	01CLK	A0369B, A0469B, A0569B, A0669B, A0869B, A0969B, A1069B, A1169B
A07 71B	GNDB	A0101A, A0102A, A0171B, A0172B, A0201A, A0202A,

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

WIRE	SIGNAL NAME	DESTINATION
		A0271B, A0272B, A0301A, A0302A, A0371B, A0372B, A0401A, A0402A, A0471B, A0472B, A0501A, A0502A, A0571B, A0572B, A0601A, A0602A, A0671B, A0672B, A0701A, A0702A, A0772B, A0801A, A0802A, A0871B, A0872B, A0901A, A0902A, A0971B, A0972B, A1001A, A1002A, A1071B, A1072B, A1101A, A1102A, A1171B, A1172B, A1201 , A1202 , A12100, A1299
A07 02B	GNDA	A0101B, A0102B, A0171A, A0172A, A0201B, A0202B, A0271A, A0272A, A0301B, A0302B, A0371A, A0372A, A0401B, A0402B, A0471A, A0472A, A0501B, A0502B, A0571A, A0572A, A0601B, A0602B, A0671A, A0672A, A0701B, A0771A, A0772A, A0801B, A0802B, A0871A, A0872A, A0901B, A0902B, A0971A, A0972A, A1001B, A1002B, A1071A, A1072A, A1101B, A1102B, A1171A, A1172A, E06 , E08 , E11 , E13 , J0116
A07 06B	+15V	
A07 44B	SEL3000ADRTOLED	A0743B, A1240
A07 46B	RETRACEBLANK	A0857A, E14 , J0213
A07 50B	3000DATABUSSIGN	A0250B, A0350B, A0450B, A0550B, A0650B, A0850B, A0950B, A1050B, A1150B, A1222
A07 52B	3000DATABUS2+0	A0252B, A0352B, A0452B, A0552B, A0652B, A0852B, A0952B, A1052B, A1152B, A1220
A07 54B	3000DATABUS2-2	A0254B, A0354B, A0454B, A0554B, A0654B, A0854B, A0954B, A1054B, A1154B, A1218
A07 56B	3000DATABUS2-4	A0256B, A0356B, A0456B, A0556B, A0656B, A0856B, A0956B, A1056B, A1156B, A1216
A07 58B	3000DATABUS2-6	A0258B, A0358B, A0458B, A0558B, A0658B, A0858B, A0958B, A1058B, A1158B, A1214
A07 60B	3000DATABUS2-8	A0260B, A0360B, A0460B, A0560B, A0660B, A0860B, A0960B, A1060B, A1160B, A1212
A07 62B	3000DATABUS2-10	A0262B, A0362B, A0462B, A0562B, A0662B, A0862B, A0962B, A1062B, A1162B, A1210
A07 66B	*BIPOLARROMEN*	A0566B
A07 68B	+5V	
A07 70B	02CLK	A0370B, A0470B, A0570B, A0670B, A0870B, A0970B, A1070B, A1170B
A07 72B	GNDB	A0101A, A0102A, A0171B, A0172B, A0201A, A0202A, A0271B, A0272B, A0301A, A0302A, A0371B, A0372B, A0401A, A0402A, A0471B, A0472B, A0501A, A0502A, A0571B, A0572B, A0601A, A0602A, A0671B, A0672B, A0701A, A0702A, A0771B, A0801A, A0802A, A0871B, A0872B, A0901A, A0902A, A0971B, A0972B, A1001A, A1002A, A1071B, A1072B, A1101A, A1102A, A1171B,

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

WIRE	SIGNAL NAME	DESTINATION
		A1172B, A1201 , A1202 , A12100, A1299
A08 01A	GNDB	A0101A, A0102A, A0171B, A0172B, A0201A, A0202A, A0271B, A0272B, A0301A, A0302A, A0371B, A0372B, A0401A, A0402A, A0471B, A0472B, A0501A, A0502A, A0571B, A0572B, A0601A, A0602A, A0671B, A0672B, A0701A, A0702A, A0771B, A0772B, A0802A, A0871B, A0872B, A0901A, A0902A, A0971B, A0972B, A1001A, A1002A, A1071B, A1072B, A1101A, A1102A, A1171B, A1172B, A1201 , A1202 , A12100, A1299
A08 03A	*FREQMATCH*	A02C4A, A0704A
A08 05A	+5V	
A08 09A	ADRA0	A0309A, A0409A, A0509A, A0609A, A0709A, A0909A, A1009A, A1109A, A1224
A08 11A	ADRA2	A0311A, A0411A, A0511A, A0611A, A0711A, A0911A, A1011A, A1111A, A1226
A08 13A	ADRA4	A0313A, A0413A, A0513A, A0613A, A0713A, A0913A, A1013A, A1113A
A08 15A	ADRA6	A0315A, A0415A, A0515A, A0615A, A0715A, A0915A, A1015A, A1115A
A08 17A	ARDA8	A0317A, A0417A, A0517A, A0617A, A0717A, A0917A, A1017A, A1117A
A08 19A	ADRA10	A0319A, A0419A, A0519A, A0619A, A0719A, A0919A, A1019A, A1119A
A08 21A	ADRA12	A0321A, A0421A, A0521A, A0621A, A0721A, A0921A, A1021A, A1121A
A08 27A	SINEADR0	A0727A, A0927A
A08 29A	SINEADR2	A0729A, A0929A
A08 31A	SINEADR4	A0731A, A0931A
A08 33A	SINEADR6	A0733A, A0933A
A08 35A	SINEADR8	A0735A, A0935A
A08 37A	XCTRPRESET21	A0737A
A08 39A	XCTRPRESET23	A0739A
A08 41A	XCTRPRESET25	A0741A
A08 43A	XCTRPRESET27	A0743A
A08 45A	CLRXCTR	A0745A
A08 47A	CLKXCTR	A0747A
A08 49A	REFRESHWRITECPU	A0749A
A08 51A	SELCTRADRSOURCE	A0751A
A08 53A	CELL408	A0753A
A08 55A	LINECURSOR	J0203
A08 57A	RETRACEBLANK	A0746B, E14 , J0213
A08 59A	*TIME*	A0326B, A1241 , J0204
A08 67A	-15V	

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

WIRE	SIGNAL NAME	DESTINATION
A08 71A	GNDA	A0101B, A0102B, A0171A, A0172A, A0201B, A0202B, A0271A, A0272A, A0301B, A0302B, A0371A, A0372A, A0401B, A0402B, A0471A, A0472A, A0501B, A0502B, A0571A, A0572A, A0601B, A0602B, A0671A, A0672A, A0701B, A0702B, A0771A, A0772A, A0801B, A0802B, A0872A, A0901B, A0902B, A0971A, A0972A, A1001B, A1002B, A1071A, A1072A, A1101B, A1102B, A1171A, A1172A, E06 , E08 , E11 , E13 , J0116
A08 02A	GNDB	A0101A, A0102A, A0171B, A0172B, A0201A, A0202A, A0271B, A0272B, A0301A, A0302A, A0371B, A0372B, A0401A, A0402A, A0471B, A0472B, A0501A, A0502A, A0571B, A0572B, A0601A, A0602A, A0671B, A0672B, A0701A, A0702A, A0771B, A0772B, A0801A, A0871B, A0872B, A0901A, A0902A, A0971B, A0972B, A1001A, A1002A, A1071B, A1072B, A1101A, A1102A, A1171B, A1172B, A1201 , A1202 , A12100, A1299
A08 04A	2MHZCLK	A0203A, A0304A
A08 06A	+5V	
A08 08A	TIMEMODECLK	A0308A
A08 10A	*INTENSIFY*	A0710A
A08 12A	ADRA1	A0312A, A0412A, A0512A, A0612A, A0712A, A0912A, A1012A, A1112A, A1225
A08 14A	ADRA3	A0314A, A0414A, A0514A, A0614A, A0714A, A0914A, A1014A, A1114A
A08 16A	ADRA5	A0316A, A0416A, A0516A, A0616A, A0716A, A0916A, A1016A, A1116A
A08 18A	ADRA7	A0318A, A0418A, A0518A, A0618A, A0718A, A0918A, A1018A, A1118A
A08 20A	ADRA9	A0320A, A0420A, A0520A, A0620A, A0720A, A0920A, A1020A, A1120A
A08 22A	ADRA11	A0322A, A0422A, A0522A, A0622A, A0722A, A0922A, A1022A, A1122A
A08 24A	ADRA13	A0324A, A0424A, A0524A, A0624A, A0724A, A0924A, A1024A, A1124A
A08 26A	10HZCLK	A0226A, A0326A, A0926A
A08 30A	SINEADR1	A0730A, A0930A
A08 32A	SINEADR3	A0732A, A0932A
A08 34A	SINEADR5	A0734A, A0934A
A08 36A	SINEADR7	A0736A, A0936A
A08 38A	XCTRPRESET20	A0738A
A08 40A	XCTRPRESET22	A0740A
A08 42A	XCTRPRESET24	A0742A
A08 44A	XCTRPRESET26	A0744A

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

WIRE	SIGNAL NAME	DESTINATION
A08 46A	XCTRPRESET28	A0746A
A08 48A	LOADXCTR	A0748A
A08 50A	LOADYDAC	A0750A
A08 52A	REFRESHWRITECRT	A0752A
A08 54A	SETREFRESHMSB	A0754A
A08 56A	MEM 0	A0757A
A08 62A	*PLOTTERRESET*	A0962A, A1239
A08 66A	TIMETRIG	A0266A
A08 68A	-15V	
A08 72A	GNDA	A0101B, A0102B, A0171A, A0172A, A0201B, A0202B, A0271A, A0272A, A0301B, A0302B, A0371A, A0372A, A0401B, A0402B, A0471A, A0472A, A0501B, A0502B, A0571A, A0572A, A0601B, A0602B, A0671A, A0672A, A0701B, A0702B, A0771A, A0772A, A0801B, A0802B, A0871A, A0901B, A0902B, A0971A, A0972A, A1001B, A1002B, A1071A, A1072A, A1101B, A1102B, A1171A, A1172A, E06 , E08 , E11 , E13 , J0116
A08 01B	GNDA	A0101B, A0102B, A0171A, A0172A, A0201B, A0202B, A0271A, A0272A, A0301B, A0302B, A0371A, A0372A, A0401B, A0402B, A0471A, A0472A, A0501B, A0502B, A0571A, A0572A, A0601B, A0602B, A0671A, A0672A, A0701B, A0702B, A0771A, A0772A, A0802B, A0871A, A0872A, A0901B, A0902B, A0971A, A0972A, A1001B, A1002B, A1071A, A1072A, A1101B, A1102B, A1171A, A1172A, E06 , E08 , E11 , E13 , J0116
A08 05B	+15V	
A08 07B	*HARMONIC*	A0908B
A08 09B	PLOTSTOP	A0910B
A08 11B	*MOTION*	A0912B
A08 13B	CURSORCLKUP	A0914B
A08 15B	CURSORCLKDOWN	A0916B
A08 17B	PLOT	A0263A, A0918B
A08 19B	RESET	A0920B
A08 21B	FREEZE	A0922B, A1229
A08 23B	DISPLAYMODE21	A1237
A08 25B	*NORMCURSOREN*	A0525B
A08 27B	*FUNDCURSOREN*	A0527B
A08 39B	*3000REQUEST*	A0539B
A08 41B	*MEMWRITE*	A0541B, A0741B, A1264
A08 43B	STROBECSRCTLF/F	A0941B
A08 49B	3000DATABUS2+1	A0249B, A0349B, A0449B, A0549B, A0649B, A0749B, A0949B, A1049B, A1149B, A1221
A08 51B	3000DATABUS2-1	A0251B, A0351B, A0451B, A0551B, A0651B, A0751B,

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

WIRE	SIGNAL NAME	DESTINATION
		A0951B, A1051B, A1151B, A1219
A08 53B	3000DATABUS2-3	A0253B, A0353B, A0453B, A0553B, A0653B, A0753B, A0953B, A1053B, A1153B, A1217
A08 55B	3000DATABUS2-5	A0255B, A0355B, A0455B, A0555B, A0655B, A0755B, A0955B, A1055B, A1155B, A1215
A08 57B	3000DATABUS2-7	A0257B, A0357B, A0457B, A0557B, A0657B, A0757B, A0957B, A1057B, A1157B, A1213
A08 59B	3000DATABUS2-9	A0259B, A0359B, A0459B, A0559B, A0659B, A0759B, A0959B, A1059B, A1159B, A1211
A08 61B	3000DATABUS2-11	A0261B, A0361B, A0461B, A0561B, A0661B, A0761B, A0961B, A1061B, A1161B, A1209
A08 65B	*SRF*	A0265A
A08 67B	+5V	
A08 69B	01CLK	A0369B, A0469B, A0569B, A0669B, A0769B, A0969B, A1069B, A1169B
A08 71B	GNDB	A0101A, A0102A, A0171B, A0172B, A0201A, A0202A, A0271B, A0272B, A0301A, A0302A, A0371B, A0372B, A0401A, A0402A, A0471B, A0472B, A0501A, A0502A, A0571B, A0572B, A0601A, A0602A, A0671B, A0672B, A0701A, A0702A, A0771B, A0772B, A0801A, A0802A, A0872B, A0901A, A0902A, A0971B, A0972B, A1001A, A1002A, A1071B, A1072B, A1101A, A1102A, A1171B, A1172B, A1201 , A1202 , A12100, A1299
A08 02B	GNDA	A0101B, A0102B, A0171A, A0172A, A0201B, A0202B, A0271A, A0272A, A0301B, A0302B, A0371A, A0372A, A0401B, A0402B, A0471A, A0472A, A0501B, A0502B, A0571A, A0572A, A0601B, A0602B, A0671A, A0672A, A0701B, A0702B, A0771A, A0772A, A0801B, A0871A, A0872A, A0901B, A0902B, A0971A, A0972A, A1001B, A1002B, A1071A, A1072A, A1101B, A1102B, A1171A, A1172A, E06 , E08 , E11 , E13 , J0116
A08 04B	3000ACCESSEN	A0504B
A08 06B	+15V	
A08 08B	HARMONICMODE	A0907B
A08 20B	DISPLAYREQUEST	A0319B, J0202
A08 24B	DISPLAYMODE22	A1236
A08 26B	DISPLAYMODE20	A1238
A08 48B	*CURSORCENTER*	A0945B, A1235
A08 50B	3000DATABUSSIGN	A0250B, A0350B, A0450B, A0550B, A0650B, A0750B, A0950B, A1050B, A1150B, A1222
A08 52B	3000DATABUS2+0	A0252B, A0352B, A0452B, A0552B, A0652B, A0752B, A0952B, A1052B, A1152B, A1220
A08 54B	3000DATABUS2-2	A0254B, A0354B, A0454B, A0554B, A0654B, A0754B,

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

WIRE	SIGNAL NAME	DESTINATION
		A0954B, A1054B, A1154B, A1218
A08 56B	3000DATABUS2-4	A0256B, A0356B, A0456B, A0556B, A0656B, A0756B, A0956B, A1056B, A1156B, A1216
A08 58B	3000DATABUS2-6	A0258B, A0358B, A0458B, A0558B, A0658B, A0758B, A0958B, A1058B, A1158B, A1214
A08 60B	3000DATABUS2-8	A0260B, A0360B, A0460B, A0560B, A0660B, A0760B, A0960B, A1060B, A1160B, A1212
A08 62B	3000DATABUS2-10	A0262B, A0362B, A0462B, A0562B, A0662B, A0762B, A0962B, A1062B, A1162B, A1210
A08 68B	+5V	
A08 70B	C2CLK	A0370B, A0470B, A0570B, A0670B, A0770B, A0970B, A1070B, A1170B
A08 72B	GNDB	A0101A, A0102A, A0171B, A0172B, A0201A, A0202A, A0271B, A0272B, A0301A, A0302A, A0371B, A0372B, A0401A, A0402A, A0471B, A0472B, A0501A, A0502A, A0571B, A0572B, A0601A, A0602A, A0671B, A0672B, A0701A, A0702A, A0771B, A0772B, A0801A, A0802A, A0871B, A0901A, A0902A, A0971B, A0972B, A1001A, A1002A, A1071B, A1072B, A1101A, A1102A, A1171B, A1172B, A1201 , A1202 , A12100, A1299

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

WIRE	SIGNAL NAME	DESTINATION
A09 01A	GNDB	A0101A, A0102A, A0171B, A0172B, A0201A, A0202A, A0271B, A0272B, A0301A, A0302A, A0371B, A0372B, A0401A, A0402A, A0471B, A0472B, A0501A, A0502A, A0571B, A0572B, A0601A, A0602A, A0671B, A0672B, A0701A, A0702A, A0771B, A0772B, A0801A, A0802A, A0871B, A0872B, A0902A, A0971B, A0972B, A1001A, A1002A, A1071B, A1072B, A1101A, A1102A, A1171B, A1172B, A1201 , A1202 , A12100, A1299
A09 05A	+5V	
A09 09A	ADRA0	A0309A, A0409A, A0509A, A0609A, A0709A, A0809A, A1009A, A1109A, A1224
A09 11A	ADRA2	A0311A, A0411A, A0511A, A0611A, A0711A, A0811A, A1011A, A1111A, A1226
A09 13A	ADRA4	A0313A, A0413A, A0513A, A0613A, A0713A, A0813A, A1013A, A1113A
A09 15A	ADRA6	A0315A, A0415A, A0515A, A0615A, A0715A, A0815A, A1015A, A1115A
A09 17A	ARDA8	A0317A, A0417A, A0517A, A0617A, A0717A, A0817A, A1017A, A1117A
A09 19A	ADRA10	A0319A, A0419A, A0519A, A0619A, A0719A, A0819A, A1019A, A1119A
A09 21A	ADRA12	A0321A, A0421A, A0521A, A0621A, A0721A, A0821A, A1021A, A1121A
A09 27A	SINEADR0	A0727A, A0827A
A09 29A	SINEADR2	A0729A, A0829A
A09 31A	SINEADR4	A0731A, A0831A
A09 33A	SINEADR6	A0733A, A0833A
A09 35A	SINEADR8	A0735A, A0835A
A09 67A	-15V	
A09 71A	GNDA	A0101B, A0102B, A0171A, A0172A, A0201B, A0202B, A0271A, A0272A, A0301B, A0302B, A0371A, A0372A, A0401B, A0402B, A0471A, A0472A, A0501B, A0502B, A0571A, A0572A, A0601B, A0602B, A0671A, A0672A, A0701B, A0702B, A0771A, A0772A, A0801B, A0802B, A0871A, A0872A, A0901B, A0902B, A0972A, A1001B, A1002B, A1071A, A1072A, A1101B, A1102B, A1171A, A1172A, E06 , E08 , E11 , E13 , J0116
A09 02A	GNDB	A0101A, A0102A, A0171B, A0172B, A0201A, A0202A, A0271B, A0272B, A0301A, A0302A, A0371B, A0372B, A0401A, A0402A, A0471B, A0472B, A0501A, A0502A, A0571B, A0572B, A0601A, A0602A, A0671B, A0672B, A0701A, A0702A, A0771B, A0772B, A0801A, A0802A, A0871B, A0872B, A0901A, A0971B, A0972B, A1001A,

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

WIRE	SIGNAL NAME	DESTINATION
		A1002A, A1071B, A1072B, A1101A, A1102A, A1171B, A1172B, A1201 , A1202 , A12100, A1299
A09 06A	+5V	
A09 08A	80HZCLK	A0307A
A09 12A	ADRA1	A0312A, A0412A, A0512A, A0612A, A0712A, A0812A, A1012A, A1112A, A1225
A09 14A	ADRA3	A0314A, A0414A, A0514A, A0614A, A0714A, A0814A, A1014A, A1114A
A09 16A	ADRA5	A0316A, A0416A, A0516A, A0616A, A0716A, A0816A, A1016A, A1116A
A09 18A	ADRA7	A0318A, A0418A, A0518A, A0618A, A0718A, A0818A, A1018A, A1118A
A09 20A	ADRA9	A0320A, A0420A, A0520A, A0620A, A0720A, A0820A, A1020A, A1120A
A09 22A	ADRA11	A0322A, A0422A, A0522A, A0622A, A0722A, A0822A, A1022A, A1122A
A09 24A	ADRA13	A0324A, A0424A, A0524A, A0624A, A0724A, A0824A, A1024A, A1124A
A09 26A	10HZCLK	A0226A, A0326A, A0826A
A09 30A	SINEADR1	A0730A, A0830A
A09 32A	SINEADR3	A0732A, A0832A
A09 34A	SINEADR5	A0734A, A0834A
A09 36A	SINEADR7	A0736A, A0836A
A09 40A	5HZCLK	A0244A, A0344A
A09 62A	*PLOTTERRESET*	A0862A, A1239
A09 68A	-15V	
A09 72A	GNDA	A0101B, A0102B, A0171A, A0172A, A0201B, A0202B, A0271A, A0272A, A0301B, A0302B, A0371A, A0372A, A0401B, A0402B, A0471A, A0472A, A0501B, A0502B, A0571A, A0572A, A0601B, A0602B, A0671A, A0672A, A0701B, A0702B, A0771A, A0772A, A0801B, A0802B, A0871A, A0872A, A0901B, A0902B, A0971A, A1001B, A1002B, A1071A, A1072A, A1101B, A1102B, A1171A, A1172A, E06 , E08 , E11 , E13 , J0116
A09 01B	GNDA	A0101B, A0102B, A0171A, A0172A, A0201B, A0202B, A0271A, A0272A, A0301B, A0302B, A0371A, A0372A, A0401B, A0402B, A0471A, A0472A, A0501B, A0502B, A0571A, A0572A, A0601B, A0602B, A0671A, A0672A, A0701B, A0702B, A0771A, A0772A, A0801B, A0802B, A0871A, A0872A, A0902B, A0971A, A0972A, A1001B, A1002B, A1071A, A1072A, A1101B, A1102B, A1171A, A1172A, E06 , E08 , E11 , E13 , J0116
A09 05B	+15V	

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

WIRE	SIGNAL NAME	DESTINATION
A09 07B	HARMONICMODE	A0808B
A09 29B	*ENDCURSTAGE*	A0429B, A0529B
A09 35B	*LOADSINADRREG*	A0535B
A09 37B	*LOADADRSELCTR*	A0537B
A09 41B	STROBECSRCTLF/F	A0843B
A09 43B	*CURSORLEFT*	A1234
A09 45B	*CURSORCENTER*	A0848B, A1235
A09 49B	3000DATABUS2+1	A0249B, A0349B, A0449B, A0549B, A0649B, A0749B, A0849B, A1049B, A1149B, A1221
A09 51B	3000DATABUS2-1	A0251B, A0351B, A0451B, A0551B, A0651B, A0751B, A0851B, A1051B, A1151B, A1219
A09 53B	3000DATABUS2-3	A0253B, A0353B, A0453B, A0553B, A0653B, A0753B, A0853B, A1053B, A1153B, A1217
A09 55B	3000DATABUS2-5	A0255B, A0355B, A0455B, A0555B, A0655B, A0755B, A0855B, A1055B, A1155B, A1215
A09 57B	3000DATABUS2-7	A0257B, A0357B, A0457B, A0557B, A0657B, A0757B, A0857B, A1057B, A1157B, A1213
A09 59B	3000DATABUS2-9	A0259B, A0359B, A0459B, A0559B, A0659B, A0759B, A0859B, A1059B, A1159B, A1211
A09 61B	3000DATABUS2-11	A0261B, A0361B, A0461B, A0561B, A0661B, A0761B, A0861B, A1061B, A1161B, A1209
A09 67B	+5V	
A09 69B	01CLK	A0369B, A0469B, A0569B, A0669B, A0769B, A0869B, A1069B, A1169B
A09 71B	GNDB	A0101A, A0102A, A0171B, A0172B, A0201A, A0202A, A0271B, A0272B, A0301A, A0302A, A0371B, A0372B, A0401A, A0402A, A0471B, A0472B, A0501A, A0502A, A0571B, A0572B, A0601A, A0602A, A0671B, A0672B, A0701A, A0702A, A0771B, A0772B, A0801A, A0802A, A0871B, A0872B, A0901A, A0902A, A0972B, A1001A, A1002A, A1071B, A1072B, A1101A, A1102A, A1171B, A1172B, A1201 , A1202 , A12100, A1299
A09 02B	GNDA	A0101B, A0102B, A0171A, A0172A, A0201B, A0202B, A0271A, A0272A, A0301B, A0302B, A0371A, A0372A, A0401B, A0402B, A0471A, A0472A, A0501B, A0502B, A0571A, A0572A, A0601B, A0602B, A0671A, A0672A, A0701B, A0702B, A0771A, A0772A, A0801B, A0802B, A0871A, A0872A, A0901B, A0971A, A0972A, A1001B, A1002B, A1071A, A1072A, A1101B, A1102B, A1171A, A1172A, E06 , E08 , E11 , E13 , J0116
A09 06B	+15V	
A09 08B	*HARMONIC*	A0807B
A09 10B	PLOTSTOP	A0809B

R - PEAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

WIRE	SIGNAL NAME	DESTINATION
A09 12B	*MOTION*	A0811B
A09 14B	CURSORCLKUP	A0813B
A09 16B	CURSORCLKDOWN	A0815B
A09 18B	PLOT	A0263A, A0817B
A09 20B	RESET	A0819B
A09 22B	FREEZE	A0821B, A1229
A09 28B	*EXECUTE*	A0328B, A0428B, A0528B, A1128B
A09 38B	*WRITEADRRAM*	A0538B, A0638B
A09 40B	*CACCLOCK*	A0540B
A09 42B	*CKADRRAMSELRG*	A0542B
A09 44B	*CURSORRIGHT*	A1233
A09 46B	CURSORMODE20	A1232
A09 48B	CURSORMODE21	A1231
A09 50B	3000DATABUSSIGN	A0250B, A0350B, A0450B, A0550B, A0650B, A0750B, A0850B, A1050B, A1150B, A1222
A09 52B	3000DATABUS2+0	A0252B, A0352B, A0452B, A0552B, A0652B, A0752B, A0852B, A1052B, A1152B, A1220
A09 54B	3000DATABUS2-2	A0254B, A0354B, A0454B, A0554B, A0654B, A0754B, A0854B, A1054B, A1154B, A1218
A09 56B	3000DATABUS2-4	A0256B, A0356B, A0456B, A0556B, A0656B, A0756B, A0856B, A1056B, A1156B, A1216
A09 58B	3000DATABUS2-6	A0258B, A0358B, A0458B, A0558B, A0658B, A0758B, A0858B, A1058B, A1158B, A1214
A09 60B	3000DATABUS2-8	A0260B, A0360B, A0460B, A0560B, A0660B, A0760B, A0860B, A1060B, A1160B, A1212
A09 62B	3000DATABUS2-10	A0262B, A0362B, A0462B, A0562B, A0662B, A0762B, A0862B, A1062B, A1162B, A1210
A09 64B	*CPEADREN*	A0564B, A0664B
A09 66B	DBSET	A1230
A09 68B	+5V	
A09 70B	02CLK	A0370B, A0470B, A0570B, A0670B, A0770B, A0870B, A1070B, A1170B
A09 72B	GNDB	A0101A, A0102A, A0171B, A0172B, A0201A, A0202A, A0271B, A0272B, A0301A, A0302A, A0371B, A0372B, A0401A, A0402A, A0471B, A0472B, A0501A, A0502A, A0571B, A0572B, A0601A, A0602A, A0671B, A0672B, A0701A, A0702A, A0771B, A0772B, A0801A, A0802A, A0871B, A0872B, A0901A, A0902A, A0971B, A1001A, A1002A, A1071B, A1072B, A1101A, A1102A, A1171B, A1172B, A1201 , A1202 , A12100, A1299

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

WIRE	SIGNAL NAME	DESTINATION
A10 01A	GNDB	A0101A, A0102A, A0171B, A0172B, A0201A, A0202A, A0271B, A0272B, A0301A, A0302A, A0371B, A0372B, A0401A, A0402A, A0471B, A0472B, A0501A, A0502A, A0571B, A0572B, A0601A, A0602A, A0671B, A0672B, A0701A, A0702A, A0771B, A0772B, A0801A, A0802A, A0871B, A0872B, A0901A, A0902A, A0971B, A0972B, A1002A, A1071B, A1072B, A1101A, A1102A, A1171B, A1172B, A1201 , A1202 , A1210D, A1299
A10 05A	+5V	
A10 09A	ADRA0	A0309A, A0409A, A0509A, A0609A, A0709A, A0809A, A0909A, A1109A, A1224
A10 11A	ADRA2	A0311A, A0411A, A0511A, A0611A, A0711A, A0811A, A0911A, A1111A, A1226
A10 13A	ADRA4	A0313A, A0413A, A0513A, A0613A, A0713A, A0813A, A0913A, A1113A
A10 15A	ADRA6	A0315A, A0415A, A0515A, A0615A, A0715A, A0815A, A0915A, A1115A
A10 17A	ARDA8	A0317A, A0417A, A0517A, A0617A, A0717A, A0817A, A0917A, A1117A
A10 19A	ADRA10	A0319A, A0419A, A0519A, A0619A, A0719A, A0819A, A0919A, A1119A
A10 21A	ADRA12	A0321A, A0421A, A0521A, A0621A, A0721A, A0821A, A0921A, A1121A
A10 27A	OPT21	J0321
A10 29A	OPT17	J0317
A10 31A	OPT13	J0313
A10 33A	OPT9	J0309
A10 35A	OPT5	J0305
A10 37A	OPT1	A1137A, J0301
A10 39A	OPT3	A1139A, J0303
A10 41A	OPT6	A1141A, J0306
A10 43A	OPT8	A1143A, J0308
A10 45A	OPT11	A1145A, J0311
A10 47A	OPT14	A1147A, J0314
A10 49A	OPT16	A1149A, J0316
A10 51A	OPT19	A1151A, J0319
A10 53A	OPT22	J0322
A10 55A	OPT23	J0323
A10 57A	OPT25	J0325
A10 59A	OPT24	J0324
A10 67A	-15V	
A10 71A	GNDA	A0101B, A0102B, A0171A, A0172A, A0201B, A0202B, A0271A, A0272A, A0301B, A0302B, A0371A, A0372A,

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

WIRE	SIGNAL NAME	DESTINATION
		A0401B, A0402B, A0471A, A0472A, A0501B, A0502B, A0571A, A0572A, A0601B, A0602B, A0671A, A0672A, A0701B, A0702B, A0771A, A0772A, A0801B, A0802B, A0871A, A0872A, A0901B, A0902B, A0971A, A0972A, A1001B, A1002B, A1072A, A1101B, A1102B, A1171A, A1172A, E06 , E08 , E11 , E13 , J0116
A10 02A	GNDB	A0101A, A0102A, A0171B, A0172B, A0201A, A0202A, A0271B, A0272B, A0301A, A0302A, A0371B, A0372B, A0401A, A0402A, A0471B, A0472B, A0501A, A0502A, A0571B, A0572B, A0601A, A0602A, A0671B, A0672B, A0701A, A0702A, A0771B, A0772B, A0801A, A0802A, A0871B, A0872B, A0901A, A0902A, A0971B, A0972B, A1001A, A1071B, A1072B, A1101A, A1102A, A1171B, A1172B, A1201 , A1202 , A1210C, A1299
A10 06A	+5V	
A10 12A	ADRA1	A0312A, A0412A, A0512A, A0612A, A0712A, A0812A, A0912A, A1112A, A1225
A10 14A	ADRA3	A0314A, A0414A, A0514A, A0614A, A0714A, A0814A, A0914A, A1114A
A10 16A	ADRA5	A0316A, A0416A, A0516A, A0616A, A0716A, A0816A, A0916A, A1116A
A10 18A	ADRA7	A0318A, A0418A, A0518A, A0618A, A0718A, A0818A, A0918A, A1118A
A10 20A	ADRA9	A0320A, A0420A, A0520A, A0620A, A0720A, A0820A, A0920A, A1120A
A10 22A	ADRA11	A0322A, A0422A, A0522A, A0622A, A0722A, A0822A, A0922A, A1122A
A10 24A	ADRA13	A0324A, A0424A, A0524A, A0624A, A0724A, A0824A, A0924A, A1124A
A10 40A	OPT2	A1140A, J0302
A10 42A	OPT4	A1142A, J0304
A10 44A	OPT7	A1144A, J0307
A10 46A	OPT10	A1146A, J0310
A10 48A	OPT12	A1148A, J0312
A10 50A	OPT15	A1150A, J0315
A10 52A	OPT18	A1152A, J0318
A10 54A	OPT20	A1154A, J0320
A10 68A	-15V	
A10 72A	GNDA	A0101B, A0102B, A0171A, A0172A, A0201B, A0202B, A0271A, A0272A, A0301B, A0302B, A0371A, A0372A, A0401B, A0402B, A0471A, A0472A, A0501B, A0502B, A0571A, A0572A, A0601B, A0602B, A0671A, A0672A, A0701B, A0702B, A0771A, A0772A, A0801B, A0802B,

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

WIRE	SIGNAL NAME	DESTINATION
		A0871A, A0872A, A0901B, A0902B, A0971A, A0972A, A1001B, A1002B, A1071A, A1101B, A1102B, A1171A, A1172A, E06 , E08 , E11 , E13 , J0116
A10 01B	GNDA	A0101B, A0102B, A0171A, A0172A, A0201B, A0202B, A0271A, A0272A, A0301B, A0302B, A0371A, A0372A, A0401B, A0402B, A0471A, A0472A, A0501B, A0502B, A0571A, A0572A, A0601B, A0602B, A0671A, A0672A, A0701B, A0702B, A0771A, A0772A, A0801B, A0802B, A0871A, A0872A, A0901B, A0902B, A0971A, A0972A, A1002B, A1071A, A1072A, A1101B, A1102B, A1171A, A1172A, E06 , E08 , E11 , E13 , J0116
A10 05B	+15V	
A10 13B	OPT35	J0335
A10 15B	OPT36	J0336
A10 17B	OPT31	J0331
A10 19B	OPT29	J0329
A10 21B	OPT26	J0326
A10 23B	OPT27	J0327
A10 25B	OPT30	J0330
A10 27B	OPT33	J0333
A10 29B	OPT34	J0334
A10 31B	OPT37	J0337
A10 33B	OPT38	J0338
A10 35B	OPT41	J0341
A10 37B	OPT42	J0342
A10 39B	OPT46	J0346
A10 41B	OPT50	J0350
A10 43B	OPT49	J0349
A10 45B	OPT48	J0348
A10 47B	OPT47	J0347
A10 49B	3000DATABUS2+1	A0249B, A0349B, A0449B, A0549B, A0649B, A0749B, A0849B, A0949B, A1149B, A1221
A10 51B	3000DATABUS2-1	A0251B, A0351B, A0451B, A0551B, A0651B, A0751B, A0851B, A0951B, A1151B, A1219
A10 53B	3000DATABUS2-3	A0253B, A0353B, A0453B, A0553B, A0653B, A0753B, A0853B, A0953B, A1153B, A1217
A10 55B	3000DATABUS2-5	A0255B, A0355B, A0455B, A0555B, A0655B, A0755B, A0855B, A0955B, A1155B, A1215
A10 57B	3000DATABUS2-7	A0257B, A0357B, A0457B, A0557B, A0657B, A0757B, A0857B, A0957B, A1157B, A1213
A10 59B	3000DATABUS2-9	A0259B, A0359B, A0459B, A0559B, A0659B, A0759B, A0859B, A0959B, A1159B, A1211
A10 61B	3000DATABUS2-11	A0261B, A0361B, A0461B, A0561B, A0661B, A0761B,

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

WIRE	SIGNAL NAME	DESTINATION
		A0861B, A0961B, A1161B, A1209
A10 67B	+5V	
A10 69B	01CLK	A0369B, A0469B, A0569B, A0669B, A0769B, A0869B, A0969B, A1169B
A10 71B	GNDB	A0101A, A0102A, A0171B, A0172B, A0201A, A0202A, A0271B, A0272B, A0301A, A0302A, A0371B, A0372B, A0401A, A0402A, A0471B, A0472B, A0501A, A0502A, A0571B, A0572B, A0601A, A0602A, A0671B, A0672B, A0701A, A0702A, A0771B, A0772B, A0801A, A0802A, A0871B, A0872B, A0901A, A0902A, A0971B, A0972B, A1001A, A1002A, A1072B, A1101A, A1102A, A1171B, A1172B, A1201 , A1202 , A12100, A1299
A10 02B	GNDA	A0101B, A0102B, A0171A, A0172A, A0201B, A0202B, A0271A, A0272A, A0301B, A0302B, A0371A, A0372A, A0401B, A0402B, A0471A, A0472A, A0501B, A0502B, A0571A, A0572A, A0601B, A0602B, A0671A, A0672A, A0701B, A0702B, A0771A, A0772A, A0801B, A0802B, A0871A, A0872A, A0901B, A0902B, A0971A, A0972A, A1001B, A1071A, A1072A, A1101B, A1102B, A1171A, A1172A, E06 , E08 , E11 , E13 , J0116
A10 06B	+15V	
A10 18B	OPT32	J0332
A10 20B	OPT28	J0328
A10 22B	OPT39	J0339
A10 24B	OPT40	J0340
A10 26B	OPT43	J0343
A10 28B	OPT44	J0344
A10 30B	OPT45	J0345
A10 50B	3000DATABUSSIGN	A0250B, A0350B, A0450B, A0550B, A0650B, A0750B, A0850B, A0950B, A1150B, A1222
A10 52B	3000DATABUS2+0	A0252B, A0352B, A0452B, A0552B, A0652B, A0752B, A0852B, A0952B, A1152B, A1220
A10 54B	3000DATABUS2-2	A0254B, A0354B, A0454B, A0554B, A0654B, A0754B, A0854B, A0954B, A1154B, A1218
A10 56B	3000DATABUS2-4	A0256B, A0356B, A0456B, A0556B, A0656B, A0756B, A0856B, A0956B, A1156B, A1216
A10 58B	3000DATABUS2-6	A0258B, A0358B, A0458B, A0558B, A0658B, A0758B, A0858B, A0958B, A1158B, A1214
A10 60B	3000DATABUS2-8	A0260B, A0360B, A0460B, A0560B, A0660B, A0760B, A0860B, A0960B, A1160B, A1212
A10 62B	3000DATABUS2-10	A0262B, A0362B, A0462B, A0562B, A0662B, A0762B, A0862B, A0962B, A1162B, A1210
A10 68B	+5V	

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

WIRE	SIGNAL NAME	DESTINATION
A10 70B	02CLK	A0370B, A0470B, A0570B, A0670B, A0770B, A0870B, A0970B, A1170B
A10 72B	GND-	A0101A, A0102A, A0171B, A0172B, A0201A, A0202A, A0271B, A0272B, A0301A, A0302A, A0371B, A0372B, A0401A, A0402A, A0471B, A0472B, A0501A, A0502A, A0571B, A0572B, A0601A, A0602A, A0671B, A0672B, A0701A, A0702A, A0771B, A0772B, A0801A, A0802A, A0871B, A0872B, A0901A, A0902A, A0971B, A0972B, A1001A, A1002A, A1071B, A1101A, A1102A, A1171B, A1172B, A1201 , A1202 , A12100, A1299

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

WIRE	SIGNAL NAME	DESTINATION
A11 01A	GNDB	A0101A, A0102A, A0171B, A0172B, A0201A, A0202A, A0271B, A0272B, A0301A, A0302A, A0371B, A0372B, A0401A, A0402A, A0471B, A0472B, A0501A, A0502A, A0571B, A0572B, A0601A, A0602A, A0671B, A0672B, A0701A, A0702A, A0771B, A0772B, A0801A, A0802A, A0871B, A0872B, A0901A, A0902A, A0971B, A0972B, A1001A, A1002A, A1071B, A1072B, A1102A, A1171B, A1172B, A1201 , A1202 , A12100, A1299
A11 05A	+5V	
A11 09A	ADRA0	A0309A, A0409A, A0509A, A0609A, A0709A, A0809A, A0909A, A1009A, A1224
A11 11A	ADRA2	A0311A, A0411A, A0511A, A0611A, A0711A, A0811A, A0911A, A1011A, A1226
A11 13A	ADRA4	A0313A, A0413A, A0513A, A0613A, A0713A, A0813A, A0913A, A1013A
A11 15A	ADRA6	A0315A, A0415A, A0515A, A0615A, A0715A, A0815A, A0915A, A1015A
A11 17A	ARDA8	A0317A, A0417A, A0517A, A0617A, A0717A, A0817A, A0917A, A1017A
A11 19A	ADRA10	A0319A, A0419A, A0519A, A0619A, A0719A, A0819A, A0919A, A1019A
A11 21A	ADRA12	A0321A, A0421A, A0521A, A0621A, A0721A, A0821A, A0921A, A1021A
A11 37A	OPT1	A1037A, J0301
A11 39A	OPT3	A1039A, J0303
A11 41A	OPT6	A1041A, J0306
A11 43A	OPT8	A1043A, J0308
A11 45A	OPT11	A1045A, J0311
A11 47A	OPT14	A1047A, J0314
A11 49A	OPT16	A1049A, J0316
A11 51A	OPT19	A1051A, J0319
A11 63A	INTGATORCONN	A0362A
A11 65A	*MATCH2*	A0364A
A11 67A	-15V	
A11 71A	GNDA	A0101B, A0102B, A0171A, A0172A, A0201B, A0202B, A0271A, A0272A, A0301B, A0302B, A0371A, A0372A, A0401B, A0402B, A0471A, A0472A, A0501B, A0502B, A0571A, A0572A, A0601B, A0602B, A0671A, A0672A, A0701B, A0702B, A0771A, A0772A, A0801B, A0802B, A0871A, A0872A, A0901B, A0902B, A0971A, A0972A, A1001B, A1002B, A1071A, A1072A, A1101B, A1102B, A1172A, E06 , E08 , E11 , E13 , J0116
A11 02A	GNDB	A0101A, A0102A, A0171B, A0172B, A0201A, A0202A,

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

WIRE	SIGNAL NAME	DESTINATION
		A0271B, A0272B, A0301A, A0302A, A0371B, A0372B, A0401A, A0402A, A0471B, A0472B, A0501A, A0502A, A0571B, A0572B, A0601A, A0602A, A0671B, A0672B, A0701A, A0702A, A0771B, A0772B, A0801A, A0802A, A0871B, A0872B, A0901A, A0902A, A0971B, A0972B, A1001A, A1002A, A1071B, A1072B, A1101A, A1171B, A1172B, A1201 , A1202 , A12100, A1299
A11 06A	+5V	
A11 12A	ADRA1	A0312A, A0412A, A0512A, A0612A, A0712A, A0812A, A0912A, A1012A, A1225
A11 14A	ADRA3	A0314A, A0414A, A0514A, A0614A, A0714A, A0814A, A0914A, A1014A
A11 16A	ADRA5	A0316A, A0416A, A0516A, A0616A, A0716A, A0816A, A0916A, A1016A
A11 18A	ADRA7	A0318A, A0418A, A0518A, A0618A, A0718A, A0818A, A0918A, A1018A
A11 20A	ADRA9	A0320A, A0420A, A0520A, A0620A, A0720A, A0820A, A0920A, A1020A
A11 22A	ADRA11	A0322A, A0422A, A0522A, A0622A, A0722A, A0822A, A0922A, A1022A
A11 24A	ADRA13	A0324A, A0424A, A0524A, A0624A, A0724A, A0824A, A0924A, A1024A
A11 28A	ROMSIMCLKSEL	A0328A
A11 40A	OPT2	A1040A, J0302
A11 42A	OPT4	A1042A, J0304
A11 44A	OPT7	A1044A, J0307
A11 46A	OPT10	A1046A, J0310
A11 48A	OPT12	A1048A, J0312
A11 50A	OPT15	A1050A, J0315
A11 52A	OPT18	A1052A, J0318
A11 54A	OPT20	A1054A, J0320
A11 56A	*SELECT0*	A0555A
A11 60A	BUFFEREDI0	A0557A, A1272
A11 62A	BUFFEREDI1	A0561A, A1273
A11 64A	BUFFEREDI2	A0563A, A1274
A11 66A	BUFFEREDI3	A0565A, A1275
A11 68A	-15V	
A11 72A	GNDA	A0101B, A0102B, A0171A, A0172A, A0201B, A0202B, A0271A, A0272A, A0301B, A0302B, A0371A, A0372A, A0401B, A0402B, A0471A, A0472A, A0501B, A0502B, A0571A, A0572A, A0601B, A0602B, A0671A, A0672A, A0701B, A0702B, A0771A, A0772A, A0801B, A0802B, A0871A, A0872A, A0901B, A0902B, A0971A, A0972A,

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

WIRE	SIGNAL NAME	DESTINATION
		A1001B, A1002B, A1071A, A1072A, A1101B, A1102B, A1171A, E06 , E08 , E11 , E13 , J0116
A11 01B	GNDA	A0101B, A0102B, A0171A, A0172A, A0201B, A0202B, A0271A, A0272A, A0301B, A0302B, A0371A, A0372A, A0401B, A0402B, A0471A, A0472A, A0501B, A0502B, A0571A, A0572A, A0601B, A0602B, A0671A, A0672A, A0701B, A0702B, A0771A, A0772A, A0801B, A0802B, A0871A, A0872A, A0901B, A0902B, A0971A, A0972A, A1001B, A1002B, A1071A, A1072A, A1102B, A1171A, A1172A, E06 , E08 , E11 , E13 , J0116
A11 05B	+15V	
A11 09B	ROMSIMULCONNECT	A0309B
A11 11B	*SINGLESTEPEN*	A0311B
A11 49B	3000DATABUS2+1	A0249B, A0349B, A0449B, A0549B, A0649B, A0749B, A0849B, A0949B, A1049B, A1221
A11 51B	3000DATABUS2-1	A0251B, A0351B, A0451B, A0551B, A0651B, A0751B, A0851B, A0951B, A1051B, A1219
A11 53B	3000DATABUS2-3	A0253B, A0353B, A0453B, A0553B, A0653B, A0753B, A0853B, A0953B, A1053B, A1217
A11 55B	3000DATABUS2-5	A0255B, A0355B, A0455B, A0555B, A0655B, A0755B, A0855B, A0955B, A1055B, A1215
A11 57B	3000DATABUS2-7	A0257B, A0357B, A0457B, A0557B, A0657B, A0757B, A0857B, A0957B, A1057B, A1213
A11 59B	3000DATABUS2-9	A0259B, A0359B, A0459B, A0559B, A0659B, A0759B, A0859B, A0959B, A1059B, A1211
A11 61B	3000DATABUS2-11	A0261B, A0361B, A0461B, A0561B, A0661B, A0761B, A0861B, A0961B, A1061B, A1209
A11 67B	+5V	
A11 69B	01CLK	A0369B, A0469B, A0569B, A0669B, A0769B, A0869B, A0969B, A1069B
A11 71B	GNDB	A0101A, A0102A, A0171B, A0172B, A0201A, A0202A, A0271B, A0272B, A0301A, A0302A, A0371B, A0372B, A0401A, A0402A, A0471B, A0472B, A0501A, A0502A, A0571B, A0572B, A0601A, A0602A, A0671B, A0672B, A0701A, A0702A, A0771B, A0772B, A0801A, A0802A, A0871B, A0872B, A0901A, A0902A, A0971B, A0972B, A1001A, A1002A, A1071B, A1072B, A1101A, A1102A, A1172B, A1201 , A1202 , A12100, A1299
A11 02B	GNDA	A0101B, A0102B, A0171A, A0172A, A0201B, A0202B, A0271A, A0272A, A0301B, A0302B, A0371A, A0372A, A0401B, A0402B, A0471A, A0472A, A0501B, A0502B, A0571A, A0572A, A0601B, A0602B, A0671A, A0672A, A0701B, A0702B, A0771A, A0772A, A0801B, A0802B,

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

WIRE	SIGNAL NAME	DESTINATION
		A0871A, A0872A, A0901B, A0902B, A0971A, A0972A, A1001B, A1002B, A1071A, A1072A, A1101B, A1171A, A1172A, EC6 , E08 , E11 , E13 , J0116
A11 06B	+15V	
A11 08B	EXTINTERRUPT	A0508B
A11 12B	MANUALSTEPSW	A0312B
A11 14B	*MATCH1*	A0314B
A11 20B	A11-B-20	A0520B
A11 28B	*EXECUTE*	A0328B, A0428B, A0528B, A0928B
A11 50B	3000DATABUSSIGN	A0250B, A0350B, A0450B, A0550B, A0650B, A0750B, A0850B, A0950B, A1050B, A1222
A11 52B	3000DATABUS2+0	A0252B, A0352B, A0452B, A0552B, A0652B, A0752B, A0852B, A0952B, A1052B, A1220
A11 54B	3000DATABUS2-2	A0254B, A0354B, A0454B, A0554B, A0654B, A0754B, A0854B, A0954B, A1054B, A1218
A11 56B	3000DATABUS2-4	A0256B, A0356B, A0456B, A0556B, A0656B, A0756B, A0856B, A0956B, A1056B, A1216
A11 58B	3000DATABUS2-6	A0258B, A0358B, A0458B, A0558B, A0658B, A0758B, A0858B, A0958B, A1058B, A1214
A11 60B	3000DATABUS2-8	A0260B, A0360B, A0460B, A0560B, A0660B, A0760B, A0860B, A0960B, A1060B, A1212
A11 62B	3000DATABUS2-10	A0262B, A0362B, A0462B, A0562B, A0662B, A0762B, A0862B, A0962B, A1062B, A1210
A11 68B	+5V	
A11 70B	02CLK	A0370B, A0470B, A0570B, A0670B, A0770B, A0870B, A0970B, A1070B
A11 72B	GNDB	A0101A, A0102A, A0171B, A0172B, A0201A, A0202A, A0271B, A0272B, A0301A, A0302A, A0371B, A0372B, A0401A, A0402A, A0471B, A0472B, A0501A, A0502A, A0571B, A0572B, A0601A, A0602A, A0671B, A0672B, A0701A, A0702A, A0771B, A0772B, A0801A, A0802A, A0871B, A0872B, A0901A, A0902A, A0971B, A0972B, A1001A, A1002A, A1071B, A1072B, A1101A, A1102A, A1171B, A1201 , A1202 , A12100, A1299

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

WIRE	SIGNAL NAME	DESTINATION
A12 01	GNDB	A0101A, A0102A, A0171B, A0172B, A0201A, A0202A, A0271B, A0272B, A0301A, A0302A, A0371B, A0372B, A0401A, A0402A, A0471B, A0472B, A0501A, A0502A, A0571B, A0572B, A0601A, A0602A, A0671B, A0672B, A0701A, A0702A, A0771B, A0772B, A0801A, A0802A, A0871B, A0872B, A0901A, A0902A, A0971B, A0972B, A1001A, A1002A, A1071B, A1072B, A1101A, A1102A, A1171B, A1172B, A1202 , A12100, A1299
A12 05	+5V	
A12 09	3000DATABUS2-11	A0261B, A0361B, A0461B, A0561B, A0661B, A0761B, A0861B, A0961B, A1061B, A1161B
A12 11	3000DATABUS2-9	A0259B, A0359B, A0459B, A0559B, A0659B, A0759B, A0859B, A0959B, A1059B, A1159B
A12 13	3000DATABUS2-7	A0257B, A0357B, A0457B, A0557B, A0657B, A0757B, A0857B, A0957B, A1057B, A1157B
A12 15	3000DATABUS2-5	A0255B, A0355B, A0455B, A0555B, A0655B, A0755B, A0855B, A0955B, A1055B, A1155B
A12 17	3000DATABUS2-3	A0253B, A0353B, A0453B, A0553B, A0653B, A0753B, A0853B, A0953B, A1053B, A1153B
A12 19	3000DATABUS2-1	A0251B, A0351B, A0451B, A0551B, A0651B, A0751B, A0851B, A0951B, A1051B, A1151B
A12 21	3000DATABUS2+1	A0249B, A0349B, A0449B, A0549B, A0649B, A0749B, A0849B, A0949B, A1049B, A1149B
A12 25	ADRA1	A0312A, A0412A, A0512A, A0612A, A0712A, A0812A, A0912A, A1012A, A1112A
A12 29	FREEZE	A0821B, A0922B
A12 31	CURSORMODE21	A0948B
A12 33	*CURSORRIGHT*	A0944B
A12 35	*CURSORCENTER*	A0848B, A0945B
A12 37	DISPLAYMODE21	A0823B
A12 39	*PLOTTERRESET*	A0862A, A0962A
A12 41	*TIME*	A0326B, A0859A, J0204
A12 51	ENSEMBLE 32	A0645B
A12 53	ENSEMBLE 8	A0647B
A12 57	AVG20	A0631B
A12 59	AVGORPEAKSET	A0633B
A12 61	*LSDEN*	A0519B
A12 63	*LSD+1EN*	A0514B
A12 65	SINGLELINETEST	A0509B
A12 73	BUFFEREDI1	A0561A, A1162A
A12 75	BUFFEREDI3	A0565A, A1166A
A12 77	BUFFEREDI6	A0570A
A12 79	BUFFEREDI8	A0564A

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SC340

WIRE	SIGNAL NAME	DESTINATION
A12 81	SWCODEA2	A0560A
A12 85	1KHZCLK	A0323A
A12 87	AR22	A0152A, A0352A
A12 89	AR20	A0156A, A0356A
A12 91	INPUTLEVEL20	A0160A
A12 99	GNDB	A0101A, A0102A, A0171B, A0172B, A0201A, A0202A, A0271B, A0272B, A0301A, A0302A, A0371B, A0372B, A0401A, A0402A, A0471B, A0472B, A0501A, A0502A, A0571B, A0572B, A0601A, A0602A, A0671B, A0672B, A0701A, A0702A, A0771B, A0772B, A0801A, A0802A, A0871B, A0872B, A0901A, A0902A, A0971B, A0972B, A1001A, A1002A, A1071B, A1072B, A1101A, A1102A, A1171B, A1172B, A1201 , A1202 , A12100
A12 02	GNDB	A0101A, A0102A, A0171B, A0172B, A0201A, A0202A, A0271B, A0272B, A0301A, A0302A, A0371B, A0372B, A0401A, A0402A, A0471B, A0472B, A0501A, A0502A, A0571B, A0572B, A0601A, A0602A, A0671B, A0672B, A0701A, A0702A, A0771B, A0772B, A0801A, A0802A, A0871B, A0872B, A0901A, A0902A, A0971B, A0972B, A1001A, A1002A, A1071B, A1072B, A1101A, A1102A, A1171B, A1172B, A1201 , A12100, A1299
A12 06	+5V	
A12 10	3000DATABUS2-10	A0262B, A0362B, A0462B, A0562B, A0662B, A0762B, A0862B, A0962B, A1062B, A1162B
A12 12	3000DATABUS2-8	A0260B, A0360B, A0460B, A0560B, A0660B, A0760B, A0860B, A0960B, A1060B, A1160B
A12 14	3000DATABUS2-6	A0258B, A0358B, A0458B, A0558B, A0658B, A0758B, A0858B, A0958B, A1058B, A1158B
A12 16	3000DATABUS2-4	A0256B, A0356B, A0456B, A0556B, A0656B, A0756B, A0856B, A0956B, A1056B, A1156B
A12 18	3000DATABUS2-2	A0254B, A0354B, A0454B, A0554B, A0654B, A0754B, A0854B, A0954B, A1054B, A1154B
A12 20	3000DATABUS2+0	A0252B, A0352B, A0452B, A0552B, A0652B, A0752B, A0852B, A0952B, A1052B, A1152B
A12 22	3000DATABUSSIGN	A0250B, A0350B, A0450B, A0550B, A0650B, A0750B, A0850B, A0950B, A1050B, A1150B
A12 24	ADRA0	A0309A, A0409A, A0509A, A0609A, A0709A, A0809A, A0909A, A1009A, A1109A
A12 26	ADRA2	A0311A, A0411A, A0511A, A0611A, A0711A, A0811A, A0911A, A1011A, A1111A
A12 28	*X-GAIN-X1*	A0210A, J0205
A12 30	DBSET	A0966B
A12 32	CURSORMODE20	A0946B

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

WIRE	SIGNAL NAME	DESTINATION
A12 34	*CURSORLEFT*	A0943B
A12 36	DISPLAYMODE22	A0824B
A12 38	DISPLAYMODE20	A0826B
A12 40	SEL3000ADRTOLED	A0743B, A0744B
A12 42	CLKSWLATCH	A0527A
A12 50	AVGSTART	A0643B
A12 52	ENSEMBLE 64	A0646B
A12 54	ENSEMBLE 16	A0648B
A12 56	AVG21	A0632B
A12 58	STORELED	A0634B
A12 62	*MSUEN*	A0511B
A12 64	*MEMWRITE*	A0541B, A0741B, A0841B
A12 66	*LSD+2EN*	A0512B
A12 70	ENSWCODE	A0544B
A12 72	BUFFEREDI0	A0557A, A1160A
A12 74	BUFFEREDI2	A0563A, A1164A
A12 76	BUFFEREDI4	A0569A
A12 78	BUFFEREDI7	A0566A
A12 80	BUFFEREDI9	A0562A
A12 82	SWCODEA1	A0558A
A12 84	SWCODEA0	A0559A
A12 86	*OVERLOAD*	A0213A, A0214A
A12 88	AR21	A0154A, A0354A
A12 90	INPUTLEVEL22	A0164A
A12 92	INPUTLEVEL21	A0162A
A12 100	GNDB	A0101A, A0102A, A0171B, A0172B, A0201A, A0202A, A0271B, A0272B, A0301A, A0302A, A0371B, A0372B, A0401A, A0402A, A0471B, A0472B, A0501A, A0502A, A0571B, A0572B, A0601A, A0602A, A0671B, A0672B, A0701A, A0702A, A0771B, A0772B, A0801A, A0802A, A0871B, A0872B, A0901A, A0902A, A0971B, A0972B, A1001A, A1002A, A1071B, A1072B, A1101A, A1102A, A1171B, A1172B, A1201 , A1202 , A1299

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

WIRE	SIGNAL NAME	DESTINATION
E01	PLOTTERY	A0219A
E02	PLOTTERX	A0215A
E03	EXTZ	J0215
E04	SWEEPSELEXT	J0216
E05	SWEEPSELINT	J0214
E06	GNDA	A0101B, A0102B, A0171A, A0172A, A0201B, A0202B, A0271A, A0272A, A0301B, A0302B, A0371A, A0372A, A0401B, A0402B, A0471A, A0472A, A0501B, A0502B, A0571A, A0572A, A0601B, A0602B, A0671A, A0672A, A0701B, A0702B, A0771A, A0772A, A0801B, A0802B, A0871A, A0872A, A0901B, A0902B, A0971A, A0972A, A1001B, A1002B, A1071A, A1072A, A1101B, A1102B, A1171A, A1172A, E08 , E11 , E13 , J0116
E07	CALSIG	A0303A
E08	GNDA	A0101B, A0102B, A0171A, A0172A, A0201B, A0202B, A0271A, A0272A, A0301B, A0302B, A0371A, A0372A, A0401B, A0402B, A0471A, A0472A, A0501B, A0502B, A0571A, A0572A, A0601B, A0602B, A0671A, A0672A, A0701B, A0702B, A0771A, A0772A, A0801B, A0802B, A0871A, A0872A, A0901B, A0902B, A0971A, A0972A, A1001B, A1002B, A1071A, A1072A, A1101B, A1102B, A1171A, A1172A, E06 , E11 , E13 , J0116
E09	EXTERNALX	J0209
E10	SCOPE-Y	A0707B
E11	GNDA	A0101B, A0102B, A0171A, A0172A, A0201B, A0202B, A0271A, A0272A, A0301B, A0302B, A0371A, A0372A, A0401B, A0402B, A0471A, A0472A, A0501B, A0502B, A0571A, A0572A, A0601B, A0602B, A0671A, A0672A, A0701B, A0702B, A0771A, A0772A, A0801B, A0802B, A0871A, A0872A, A0901B, A0902B, A0971A, A0972A, A1001B, A1002B, A1071A, A1072A, A1101B, A1102B, A1171A, A1172A, E06 , E08 , E13 , J0116
E12	SCOPE-X	A0657A, A0658A, A0758A
E13	GNDA	A0101B, A0102B, A0171A, A0172A, A0201B, A0202B, A0271A, A0272A, A0301B, A0302B, A0371A, A0372A, A0401B, A0402B, A0471A, A0472A, A0501B, A0502B, A0571A, A0572A, A0601B, A0602B, A0671A, A0672A, A0701B, A0702B, A0771A, A0772A, A0801B, A0802B, A0871A, A0872A, A0901B, A0902B, A0971A, A0972A, A1001B, A1002B, A1071A, A1072A, A1101B, A1102B, A1171A, A1172A, E06 , E08 , E11 , J0116
E14	RETRACEBLANK	A0746B, A0857A, J0213
E15	*ENS 32*	A0410A, A0510A, A0610A

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

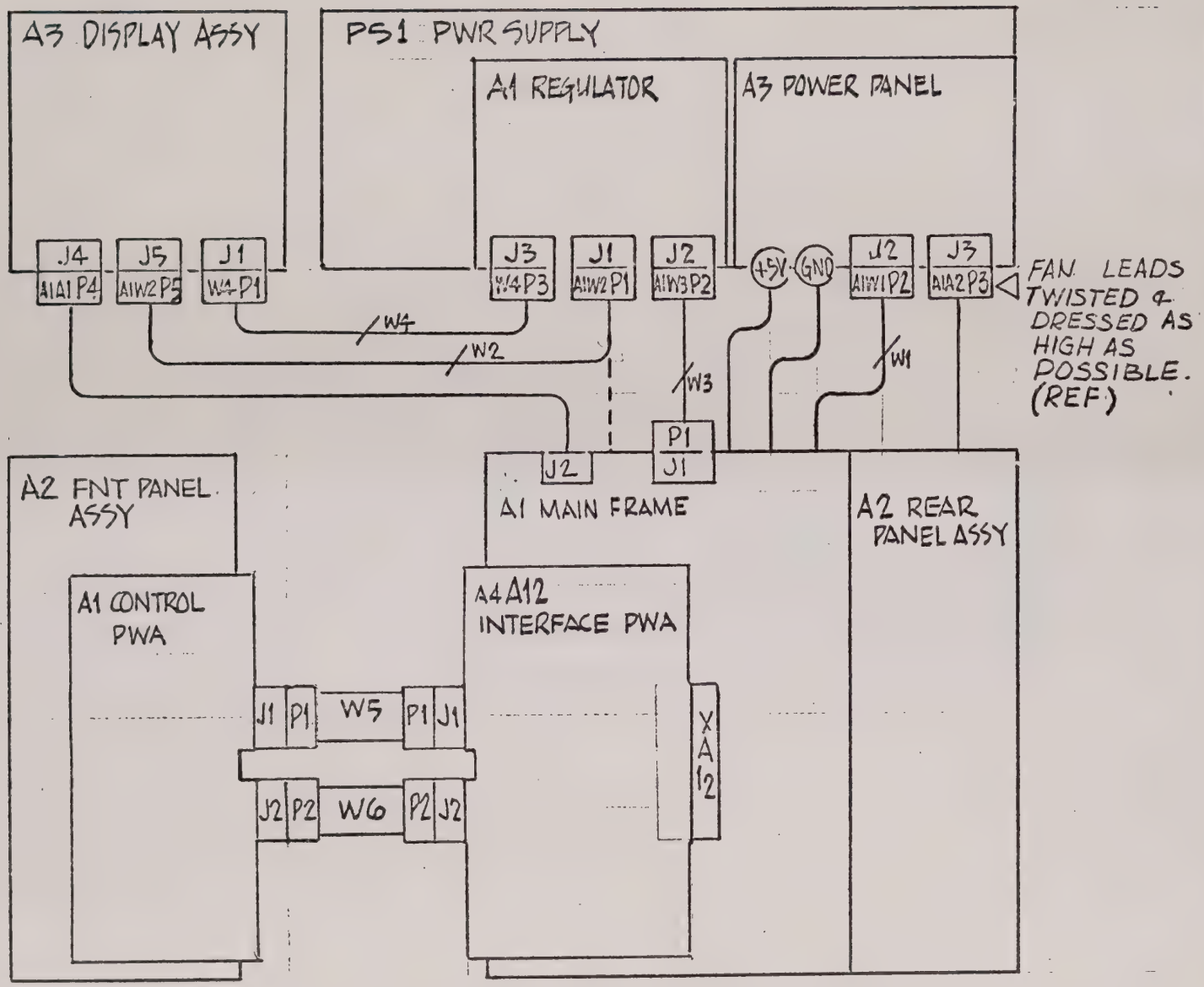
WIRE	SIGNAL NAME	DESTINATION
E16	*ENS 16*	A0408A, A0508A, A0608A
E17	*ENS 64*	A0628A
E18	*ENS 8*	A0626A
J01 01	-15V	
J01 15	+15V	
J01 16	GNDA	A0101B, A0102B, A0171A, A0172A, A0201B, A0202B, A0271A, A0272A, A0301B, A0302B, A0371A, A0372A, A0401B, A0402B, A0471A, A0472A, A0501B, A0502B, A0571A, A0572A, A0601B, A0602B, A0671A, A0672A, A0701B, A0702B, A0771A, A0772A, A0801B, A0802B, A0871A, A0872A, A0901B, A0902B, A0971A, A0972A, A1001B, A1002B, A1071A, A1072A, A1101B, A1102B, A1171A, A1172A, E06 , E08 , E11 , E13
J02 01	EXTLINECURSOR	A0709B
J02 03	LINECURSOR	A0855A
J02 05	*X-GAIN-X1*	A0210A, A1228
J02 09	EXTERNALX	E09
J02 11	NORMSIGNAL	A0120B, A0258A
J02 13	RETRACEBLANK	A0746B, A0857A, E14
J02 15	EXTZ	E03
J02 02	DISPLAYREQUEST	A0319B, A0820B
J02 04	*TIME*	A0326B, A0859A, A1241
J02 10	XS	A0270A
J02 14	SWEEPSELINT	E05
J02 16	SWEEPSELEXT	E04
J03 01	OPT1	A1037A, A1137A
J03 03	OPT3	A1039A, A1139A
J03 05	OPT5	A1035A
J03 07	OPT7	A1044A, A1144A
J03 09	OPT9	A1033A
J03 11	OPT11	A1045A, A1145A
J03 13	OPT13	A1031A
J03 15	OPT15	A1050A, A1150A
J03 17	OPT17	A1029A
J03 19	OPT19	A1051A, A1151A
J03 21	OPT21	A1027A
J03 23	OPT23	A1055A
J03 25	OPT25	A1057A
J03 27	OPT27	A1023B
J03 29	OPT29	A1019B
J03 31	OPT31	A1017B
J03 33	OPT33	A1027B
J03 35	OPT35	A1013B

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE

SD340

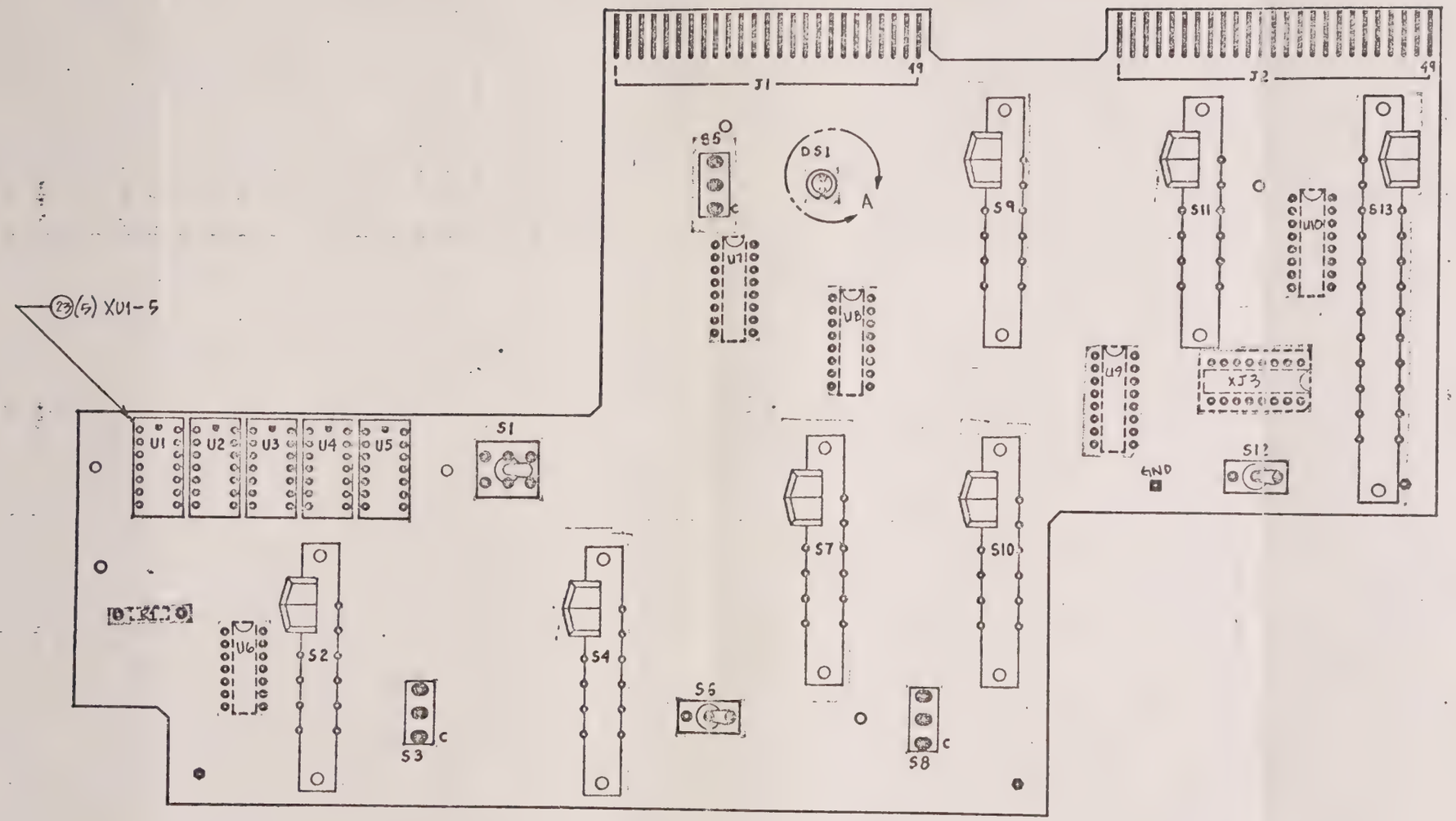
WIRE	SIGNAL NAME	DESTINATION
J03 37	OPT37	A1031B
J03 39	OPT39	A1022B
J03 41	OPT41	A1035B
J03 43	OPT43	A1026B
J03 45	OPT45	A1030B
J03 47	OPT47	A1047B
J03 49	OPT49	A1043B
J03 02	OPT2	A1040A, A1140A
J03 04	OPT4	A1042A, A1142A
J03 06	OPT6	A1041A, A1141A
J03 08	OPT8	A1043A, A1143A
J03 10	OPT10	A1046A, A1146A
J03 12	OPT12	A1048A, A1148A
J03 14	OPT14	A1047A, A1147A
J03 16	OPT16	A1049A, A1149A
J03 18	OPT18	A1052A, A1152A
J03 20	OPT20	A1054A, A1154A
J03 22	OPT22	A1053A
J03 24	OPT24	A1059A
J03 26	OPT26	A1021B
J03 28	OPT28	A1020B
J03 30	OPT30	A1025B
J03 32	OPT32	A1018B
J03 34	OPT34	A1029B
J03 36	OPT36	A1015B
J03 38	OPT38	A1033B
J03 40	OPT40	A1024B
J03 42	OPT42	A1037B
J03 44	OPT44	A1028B
J03 46	OPT46	A1039B
J03 48	OPT48	A1045B
J03 50	OPT50	A1041B

R - REAR PANEL
T - TWISTED PAIR
S - SELECT ROUTE



SPECTRAL DYNAMICS CORPORATION OF SAN DIEGO

DRAWING NO. 10414200 SH 4 REV M



.35 MAX

DS1 IS TO BE INSTALLED PERPENDICULAR TO BOARD.

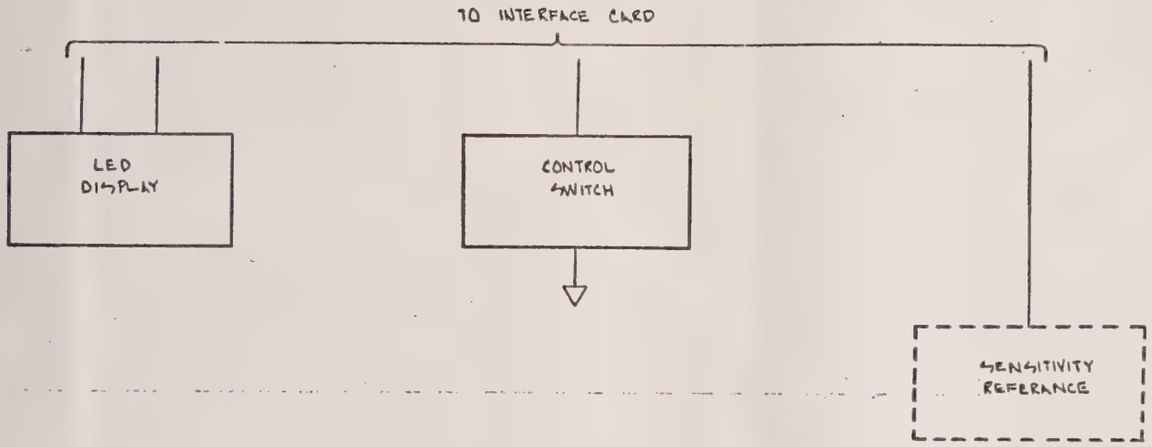
DETAIL A

NOTE: R1, U6-10, XJ3 & TP TO BE INSTALLED ON SIDE 1.

SPECTRAL DYNAMICS CORPORATION OF SAN DIEGO	TITLE P.W. ASSY CONTROL CARD		SIZE D	MODEL NO SD 340	
	DRAWN	S. NAKOV	7/12/76	DRAWING NO 10407000	REV H
	CHK'D				
	ENG'R				
	APP'R			SHEET 3 OF 3	

10407200

REVISIONS						
REV	ECO	S N	DESCRIPTION		DRAFT	DATE
A	—	—	RELEASED	12-28-76	S.N.	
B	2759A	—	U1-5 WAS DL701	4-11-78	C.M.	



NOTES: UNLESS OTHERWISE INDICATED:

1. SYMBOL ☐ INDICATES FRONT PANEL LOCATION.
2. INTEGRATED CIRCUITS

REF DESIG	PART NO.	PWR PINS GND	PWR PINS +5V	UNUSED CIRCUITS
U1-5	MAN3640	—	—	

3. HIGHEST REF. DESIG. USED

D51
R1
S13
U10

A2-A1

P.W. ASSY. 10407000
P.W. BOARD 10407100

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES
LINEAR XX = ± 03 XXX = ± 010 ANGULAR ± 0 30
DO NOT SCALE DRAWING
MATERIAL
FINISH

SPECTRAL DYNAMICS CORPORATION OF SAN DIEGO

DRAWN
DESIGNER
CHECKED
ENGINEER
APPROVED

TITLE SCHEMATIC CONTROL CARD

MODEL SD340 | SIZE D | DRAWING NO 10407200 | REV B

SCALE None | SHEET 1 OF 1

10407200

J2 21 dB REF | 23 HARMONIC | 25 NORMAL — J1 48 START/STOP | 44 S/S OFF | 30 STORE — J2 31 PEAK | 29 AVG | 27 RT — J1 50 PLOT | 46 PLOT-OFF | 43 X1 | 45 X5 — J2 28 X4 | 26 X1 | 24 0dB | 22 12dB | 11 0.1F.S. | 19 F.S. | 17 0 | 15 TIME | 13 SPECT — J1 33 mV/EU | 36 dBREF — J2 33 20K | 35 10K | 37 5K | 39 2K | 41 500 | 43 100 — 40 .1 | 38 .2 | 36 .5 | 30 1 | 42 2 | 44 5 | 32 10 | 34 20

J2: Hz 9 | KCPM 7 | ORDERS 5 | V 3 | dB 2 | EU 1

J1: SET-OFF 49 | SET 47

LED READOUT: Hz, KCPM, ORDERS, V, dB, EU — S2

CURSOR MODE: NOR., HAR., dBREF, N.C., N.C., N.C. — S4

STORE — DS1

ANALYSIS MODE: RT, AVG, PEAK, N.C., N.C., N.C. — S9

Y-GAIN: X4, X1, 0dB, 12dB, N.C., N.C. — S7

DISPLAY MODE: SPECT, TIME, 0, F.S., .1F.S., N.C. — S10

FREQ RANGE (Hz): 20K, 10K, 5K, 2K, 500, 100 — S11

LEVEL (Vrms): 20, 10, 5, 2, 1, .5, .2, .1, N.C., N.C., N.C., N.C. — S13

SET — S3

START/STOP — S5

XGAIN: X1, X5 — S6

RESET/PLOT — S8

mV/EU, dBREF — S12

RIGHT 35 | CENTER 37 | LEFT 38 — CENTER, LEFT, RIGHT — S1 CURSOR CONTROL

898-1-R4.7K (U8) +5V

898-1-R4.7K (U9) +5V

898-1-R4.7K (U10) +5V

CURSOR — MODE — DISPLAY — INPUT

J2: GND 45 | 46 | 47 | 48 | 49 | 50

J3: 8 GND | 7 GND | 15 +5V | 16 +5V | 6 2^0 | 5 2^1 | 1 2^2 | 2 2^3 | 14 EN-A (MS | 13 EN-B | 12 EN-C | 11 EN-D (LSD

a 13 | b 12 | c 11 | d 10 | e 9 | f 8 | g 6 | D.P. 7 — J1

MAN3640 U1 | U2 | U3 | U4 | U5 — D.P. K — 9 — 12

R1 68 +5V

899-3-R68 (U6) +5V

898-1-R10K (U7) +5V

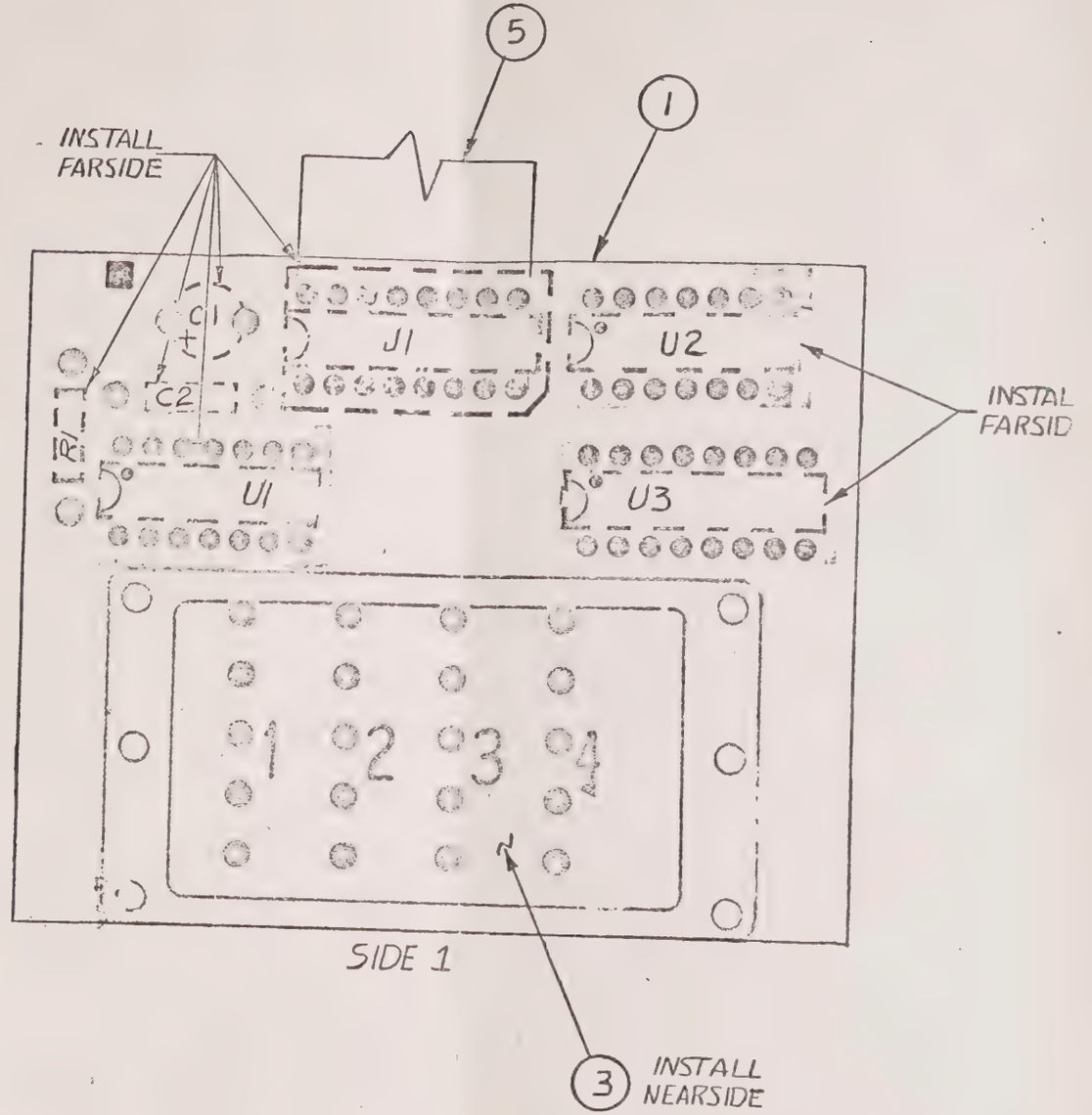
J1: 5 #5(MSD) | 4 #4 | 3 #3 | 2 #2 | 1 #1(LSD)

J1: 15 16 17 18 14 20 23 24 25 26 27 28 34 31 32 29 41 40 42 39

GND — +5V — 2^0 2^1 2^2 2^3 EN-B EN-D (LSD) — EN-A EN-C

THUMBWHEEL BIT POSITION

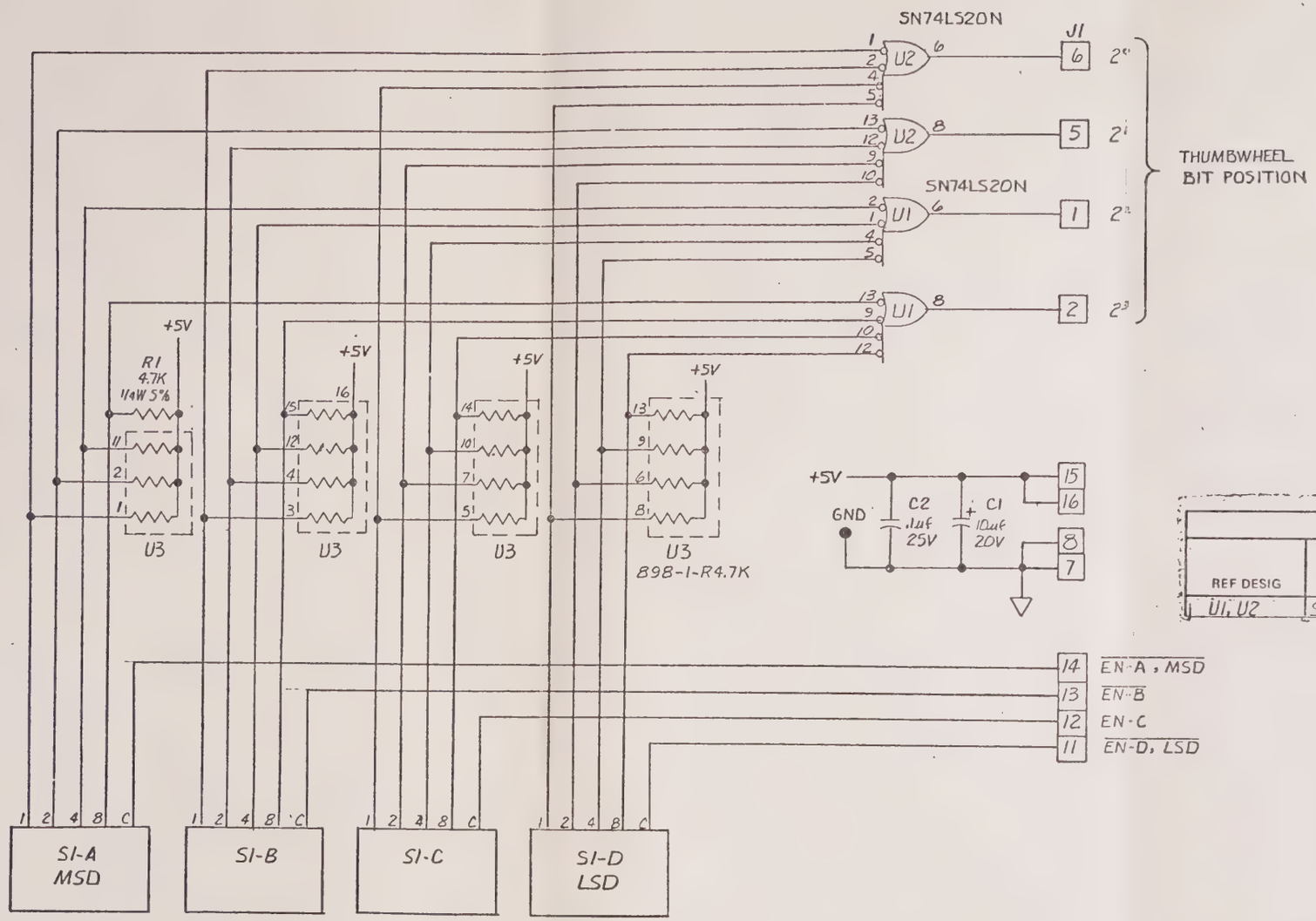
	CARD POSITION	SIZE	DRAWING NUMBER	REVISION
Spectral Dynamics Corporation		D	10407200	B
	SCALE N.A.			SHEET 2



SPECTRAL DYNAMICS CORPORATION OF SAN DIEGO	TITLE PWA SENSITIVITY REFERENCE		SIZE A	MODEL NO. SD340
	DRAWN RMEYERS 2-8-72		DRAWING NO. 10415100	REV D
	CHECK			
	ENGR			
	APPR		SHEET 3 OF	

10415000

REVISIONS						
REV	ECO	S/N	DESCRIPTION	DRAFT	CHECK	APPR
A	–	–	RELEASED 12-9-76	RVG		



INTEGRATED CIRCUITS				
REF DESIG	PART NO.	PWR PINS GND	PWR PINS +5V	UNUSED CIRCUITS
U1, U2	SN74LS20N	7	14	

PWA 10415100
PWB 10415200

NOTES: UNLESS OTHERWISE SPECIFIED

A2A2

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES
LINEAR XX = ± .03 XXX = ± .010
ANGULAR = 0°30'
DO NOT SCALE DRAWING
MATERIAL
FINISH

SPECTRAL DYNAMICS CORPORATION OF SAN DIEGO

DRAWN	K GATES	12-8-76
DESIGNER		
CHECKED		
ENGINEER		
APPROVED		

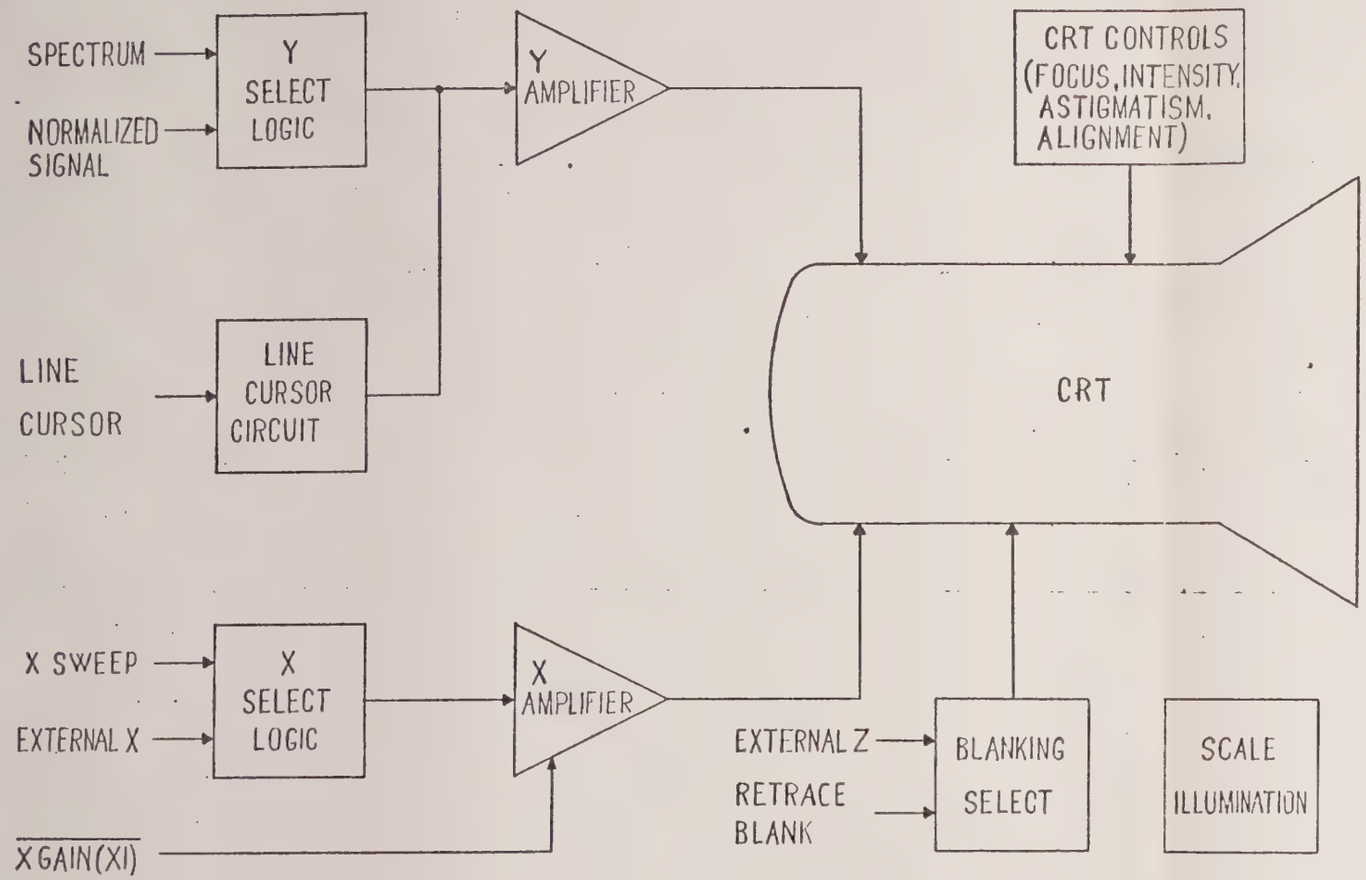
TITLE SCHEMATIC — SENSITIVITY REFERENCE

MODEL	SIZE	DRAWING NO.	REV
SD340	C	10415000	A

SCALE N.A. SHEET 1 OF 1

10405600

REVISIONS						
REV	ECO	S/N	DESCRIPTION	DRAFT	CHECK	
A	—	—	RELEASED 12-28-76	S.N		
B	2443	—	3749 WAS 470, 500V, 5%, MODE R36-6 TO GND			
C	2653	—	R37 6.65 WAS 390Ω, 1/2W, 5% 3-5-7	V.G.		
D	2754	—	SEE ECO 6-1-77	GPC		
E	2819	—	R76 WAS 10K 5% 1/2W, CHG -20% +20% R4 WAS 1W 10%	PEF		
F	3896	—	SEE ECO 6-19-80	RA		



DISPLAY ASSEMBLY BLOCK DIAGRAM

NOTES: UNLESS OTHERWISE INDICATED:

1. (a) RESISTANCE SHOWN IN OHMS
   (b) RESISTORS ARE 1/4 W, 5%; 1% ARE 1/8W
   (c) CAPACITANCE SHOWN IN MICROFARADS
   (d) CAPACITORS ARE 25V, +80-20%
2. SYMBOL ▭ INDICATES FRONT PANEL LOCATION.
3. SYMBOL ▭ INDICATES CHASSIS LOCATION.

⚠1 FACTORY SELECT WITH TYPICAL VALUE SHOWN.

INTEGRATED CIRCUITS				
REF DESIG	PART NO.	PWR PINS GND	PWR PINS +5V	UNUSED CIRCUITS
U5	SN7400N	7	14	
U7	SN7402N	7	14	U7-D
U8	SN7493AN	10	5	
U6	SN74123N	8	16	
		GND	-7V	+7V
U9,10	SN75188	7	1	14
U1,3	4066PC	—	7	14
U2,4	LM301AN	SEE CKT		

HIGHEST REF DESIG. USED
CR2
C43
L3
Q7
R85
U11
VR2
E7
YJ6
TP2
YU3

NOT USED
R33, 3[illegible]
67, 68, 69, 7[illegible]
C26

DISPLAY ASSY: 10404200 A3
P.W. ASSY : 10405400 A3A1
P.W. BOARD: 10405500 A1

SPECTRAL DYNAMICS CORPORATION OF SAN DIEGO

TITLE: SCHEMATIC - DISPLAY ASSEMBLY

DRAWN		
DESIGNED		
CHECKED		
ENGINEER		
APPROVED		

MODEL SD340 | SIZE D | DRAWING NO 10405600 | REV F

SCALE [illegible] | SHEET 1 OF 2

10405600

SWEEP SELECT INTERNAL
RETRACE BLANK
EXTERNAL BLANKING
SWEEP SELECT EXTERNAL
NORMALIZED SIGNAL
TIME
Y SPECTRUM
EXT. LINE CURSOR
DISPLAY REQUEST (20KHz)
LINE CURSOR
Xs
EXTERNAL X

+5V +250V GND -15V -1500+6.3V

Y SELECT LOGIC

Y AMPLIFIER

LINE CURSOR

X SELECT LOGIC

X AMPLIFIER

DISPLAY AMPLIFIER P.W.ASSY.: 10405400

P.W.BOARD: 10405500

INTENSITY R1 500K

FOCUS R2 2M

MAX INTENSITY 200 K

-1100V -1500V -1750V

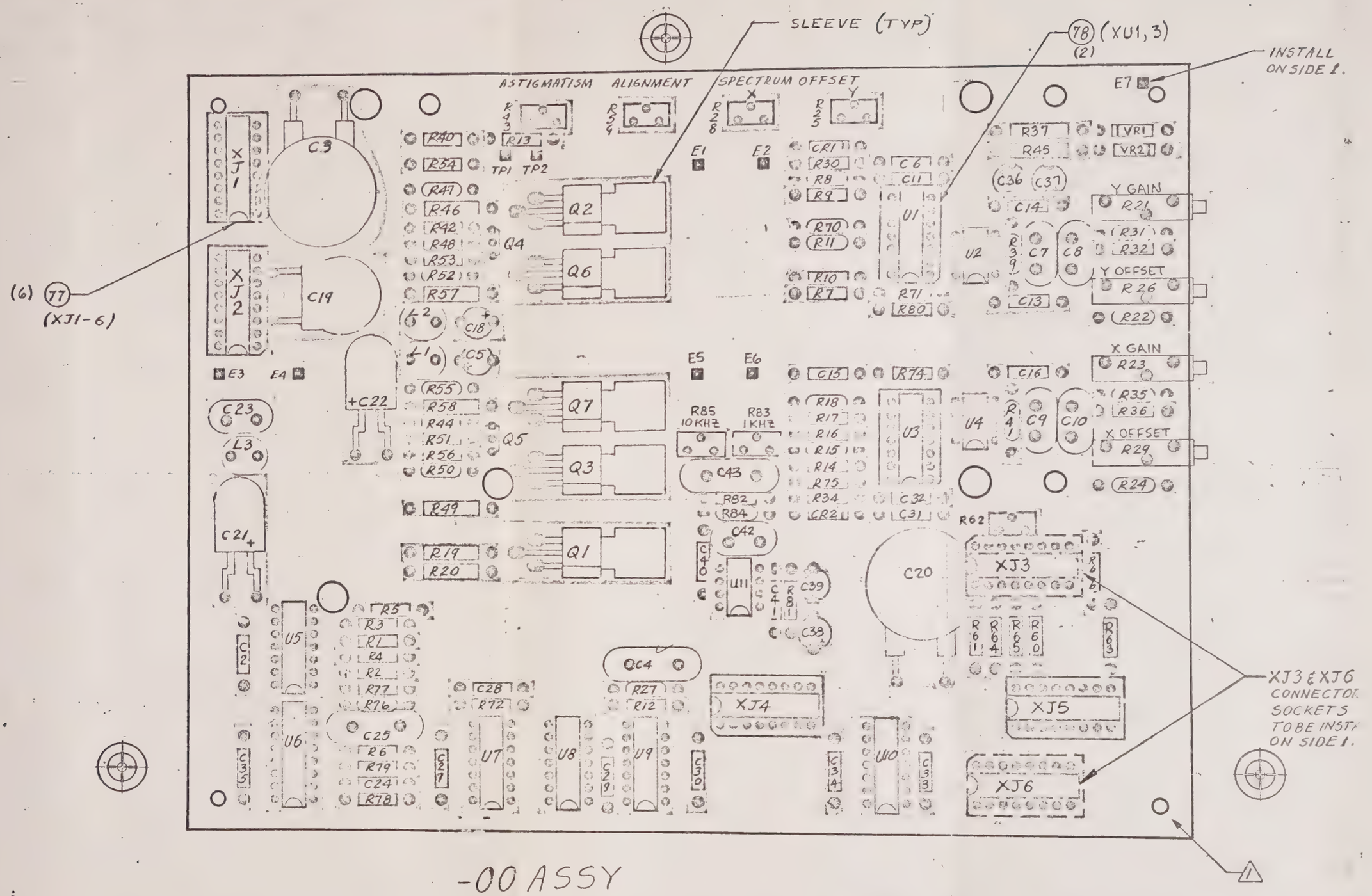
ASTIGMATISM

SCALE ILLUMINATION R3

ALIGNMENT R59 5K

SIZE	DRAWING NUMBER	REV
D	10405600	F

SCALE NONE

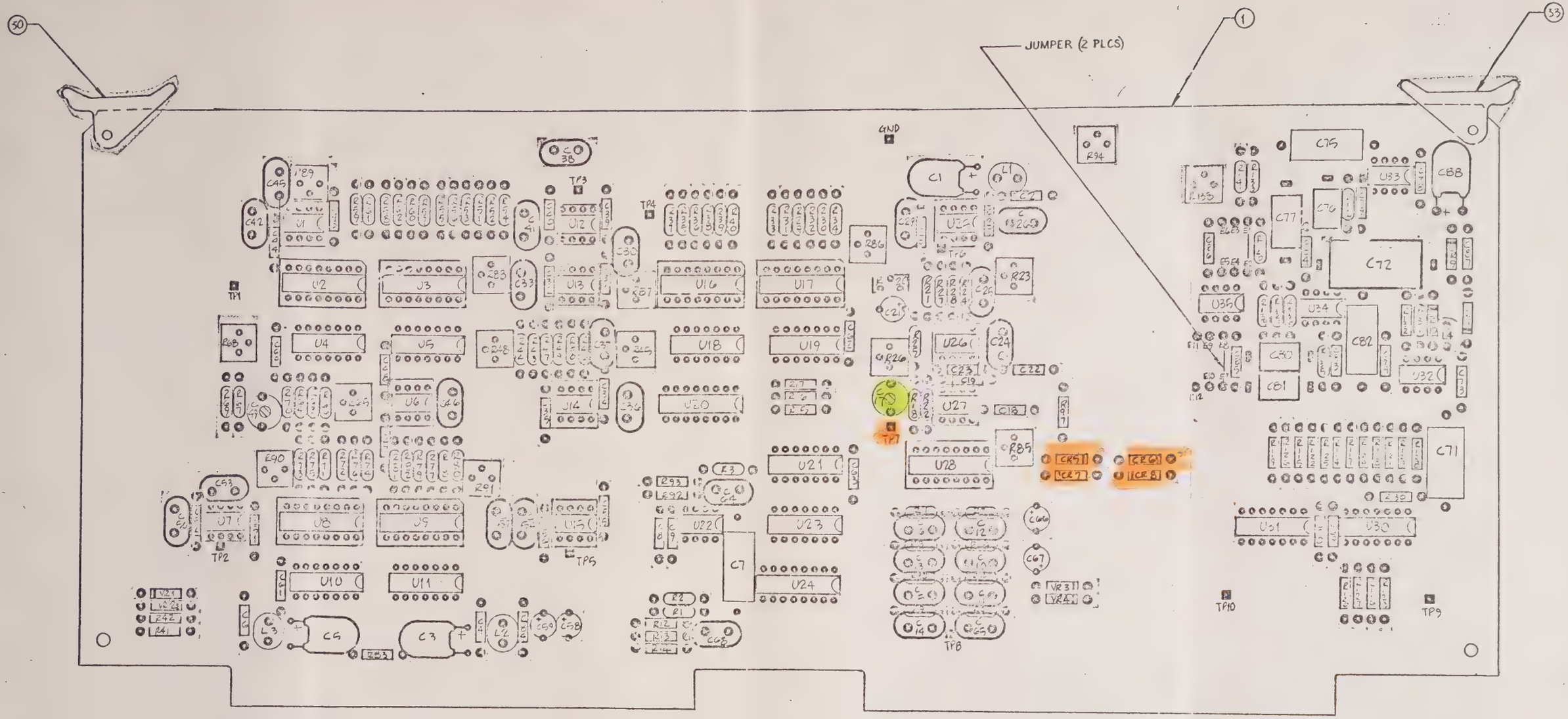


-00 ASSY

⚠ CONFORMAL COAT ENTIRE BD PER SDC SPEC 21004200 (BOTH SIDES)

NOTES:

SPECTRAL DYNAMICS CORPORATION OF SAN DIEGO	TITLE P.W. ASSY. DISPLAY AMPLIFIER		SIZE C	MODEL NO. SD340	
	DRAWN	S. NAKOV 11-9-76	DRAWING NO. 10405400	REV K	
	CHECK				
	ENGR				
	APPR		SHEET 6 OF 6		

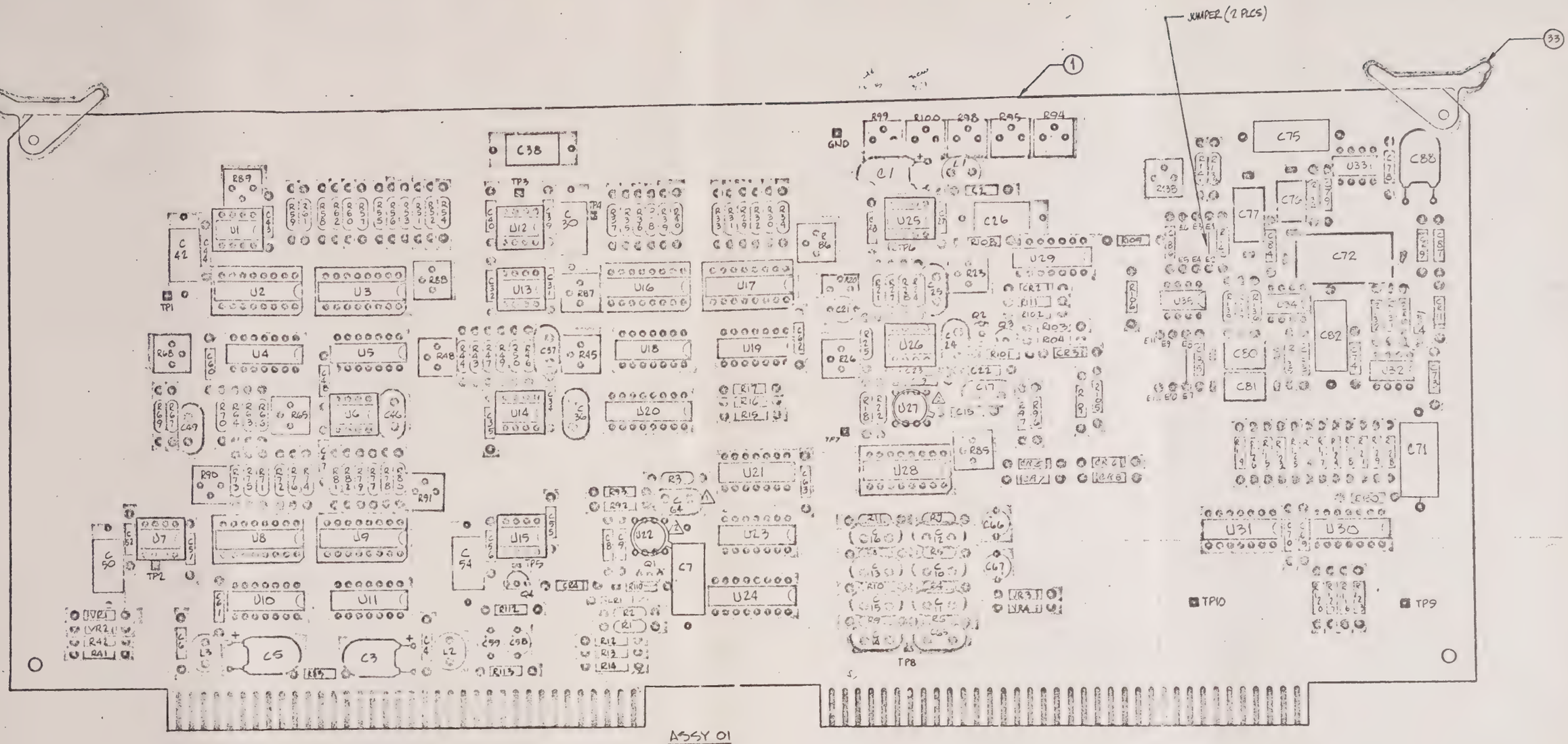


ASSY 00

⚠ DO NOT CRIMP LEAD ON C64. INSTALL FLUSH WITH BOARD.

NOTES: UNLESS OTHERWISE SPECIFIED:

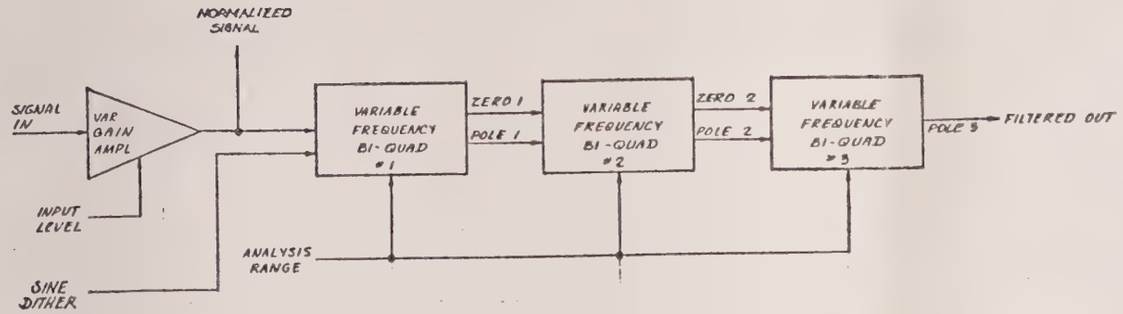
SPECTRAL DYNAMICS CORPORATION	TITLE PWR – LOW PASS FILTER	SIZE D	MODEL NO SD240
	DR JN / E SALAS	DRAWING NO 10402900	REV Z

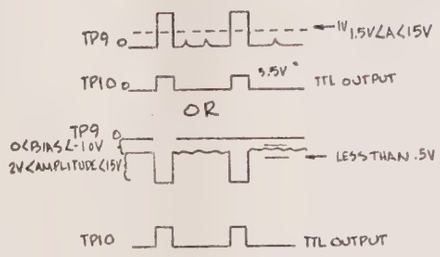

JUMPER (2 PLCS)
30
1
33
GND
C38
C1
C26
U25
U29
C75
C88
C77
C76
C72
U33
C82
C80
C81
U34
U32
U36
C71
U28
U27
U26
U21
U22
U23
U24
U31
U30
U1
U2
U3
U4
U5
U6
U7
U8
U9
U10
U11
U12
U13
U14
U15
U16
U17
U18
U19
U20
C5
C3
C7
C42
C50
C54
C64
C30
C37
C46
C49
C52
C57
C59
C60
C61
C62
C63
C66
C67
C68
C69
C70
C73
C74
C78
C79
C83
C84
C85
C86
C87
C89
C90
C91
C92
C93
C94
C95
C96
C97
C98
C99
L1
L2
L3
Q1
Q2
Q4
TP1
TP2
TP3
TP4
TP5
TP6
TP7
TP8
TP9
TP10
R1
R2
R3
R4
R5
R6
R7
R8
R9
R10
R11
R12
R13
R14
R15
R16
R17
R18
R19
R20
R21
R22
R23
R24
R25
R26
R27
R28
R29
R30
R31
R32
R33
R34
R35
R36
R37
R38
R39
R40

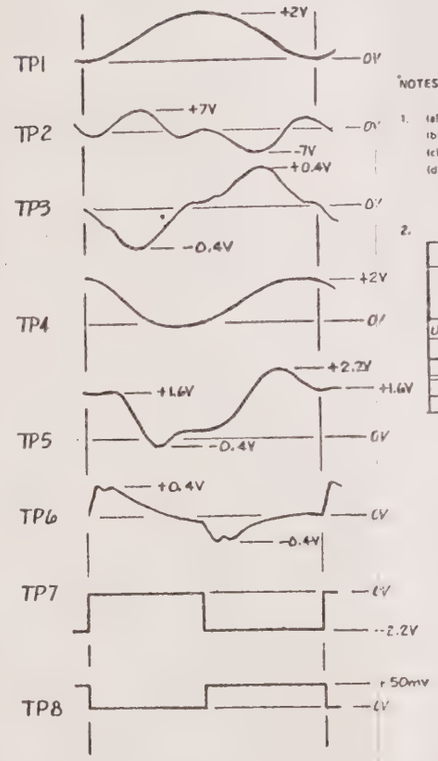
10402800

REVISIONS						
REV	ECO	S N	DESCRIPTION	DRAFT	CHECK	APP
A	—	–	RELEASED 11/24/76	AHL	RE 12-28-77	JL
B	2642	–	SEE ECO 2-24-77	VG.	RE 2-28-77	JL
C	2669	–	SEE ECO 3-8-77	RET	RE 3-23-77	JL
D	DDC	–	REV SIG NAME TO MATCH STRING LIST	RA 3-25-77	CA 3-25-77	JL
E	2794	–	VLT WAS LESSON 3-30-77	RET	RE 4-7	JL
F	2859	–	SEE ECO 4-25-77	RET	[illegible]	[illegible]
G	2951	–	ADDED CR 5-8 7-2078	CA.	[illegible]	[illegible]
H	32-TEK	–	ADDED R33,34 7-[illegible]-79	[illegible]	[illegible]	[illegible]
J	3482	–	SEE ECO 8-15-79	FJS	[illegible]	[illegible]
K	3705	–	R131 WAS 2.2M; IS 200K, 1%. 2/4/80	FJS	[illegible]	[illegible]
L	3746	–	SEE ECO 3-10-80	R.C.	[illegible]	[illegible]
M	3796	—	SEE ECO 4-29-80	[illegible]	[illegible]	[illegible]
N	3896	–	SEE ECO. 06/07/80	FJS	[illegible]	[illegible]

BLOCK DIAGRAM







NOTES UNLESS OTHERWISE INDICATED

1. (a) RESISTANCE SHOWN IN OHMS.
   (b) RESISTORS ARE 1/8W, .1%; 1% ARE 1/4W.
   (c) CAPACITANCE SHOWN IN MICROFARADS.
   (d) CAPACITORS ARE 500V, 5%, .06uf, 50V TOLERANCE IS +80-20%.

2.

INTEGRATED CIRCUITS				
		PWR PINS		
REF DESIG	PART NO	GND	+5V	UNUSED CIRCUITS
U4,5,6,11,13,22,23	SN7405N	7	14	
U20,24	SN7442AN	8	16	
U31	SN7400N	7	4	
		+15	-15	
U30	LM339N	3	12	

SEE CIRCUIT FOR ALL OTHER IC'S

HIGHEST REF DESIG USED	
CR1	[illegible]
C4	[illegible]
R[illegible]	[illegible]
TP10	E10

PW ASSY: 10402900
PW BOARD: 10403000
KEY:

A1

SPECTRAL DYNAMICS CORPORATION OF SAN DIEGO

TITLE: SCHEMATIC — GROUP I
LOW PASS FILTER

DRAWN		
DESIGNED		
CHECKED		
ENGINEER		
APPROVED		

MODEL: SD340 | SIZE: D | DRAWING NO: 10402800 | REV: N

SCALE: — | SHEET 1 OF 4

10402800

REVISIONS						
REV	ECO	S/N	DESCRIPTION	DRAFT	CHECK	APP

VAR GAIN AMPL

VARIABLE FREQ BI-QUAD #1

NORM SIGNAL DC (B20) · NORM SIGNAL AC (B16) · SYN DITHER (B24)

INPUT (SH 4) · INPUT LEVEL · GROUP II · AR · GND A · GND B · GND B (REF) · NC

TO SH 3 · ZERO 1 · POLE 1 · TP4 · TP6 · TP7

NORM RANGE 2 · 500mV RANGE 3 · 2V RMS RANGE 4 · 5V RMS RANGE 5 · 10V RMS RANGE 6 · 20V RMS RANGE 7

SPECTRAL DYNAMICS CORPORATION OF SAN DIEGO	TITLE: SCHEMATIC - GROUP I LOW PASS FILTER
DRAWN	MODEL: SD340 · SIZE · DRAWING NO: 10402800
DESIGNER	SCALE — · SHEET 2 OF
CHECKED	
ENGINEER	
APPROVED	

10402800

REVISIONS						
REV	ECO	S N	DESCRIPTION	DRAFT	CHECK	APP

VARIABLE FREQ BI-QUAD #2

VARIABLE FREQ BI-QUAD #3

FROM SH 2

ZERO ONE

POLE ONE

R43 23.2K 1%

R44 10K

R45 1K WP2

R46 6.34K 1%

R47 9.53K 1%

R48 1K GP2

R49 43.2K 1%

C34 .01 25V

C35 .01 25V

C36 5pF ±.5pF

U14 LM318N

C37 5pF, ±.5pF

R50 10K

C38 1000pF, 1%

C39 .01 25V

C40 .01 25V

U12 LM301AN

TP3

C41 150pF

R51, 7.15K

R52, 14.7K

R53, 30K

R54, 75K

R55, 301K

R56, 1.5M

C42 1000pF, 1%

C43 .01 25V

C44 .01 25V

U1 LM301AN

TP1

C45 150pF

R63 42.2K 1%

R64 10K

R65 1K WP3

R66 9.09K 1%

R67 9.53K 1%

R68 1K GP3

R69 210K 1%

C46 5pF ±.5pF

C47 .01 25V

C48 .01 25V

U6 LM318N

C49 5.5-18pF

R70 10K

R71, 7.15K

R72, 14.7K

R73, 30K

R74, 75K

R75, 301K

R76, 1.5M

C50 1000pF, 1%

C51 .01 25V

C52 .01 25V

U7 LM301AN

TP2

C53 150pF

R77, 7.15K

R78, 14.7K

R79, 30K

R80, 75K

R81, 301K

R82, 1.5M

C54 1000pF, 1%

C55 .01 25V

C56 .01 25V

U15 LM301AN

TP5

C58 10, 20V, 20%

C59

R83 1M 1W 5%

C57 150pF

A8 FILTERED OUT

B4 EXT BLANK

C69 .1 25V

C70 .1 25V

U30 LM339N

R117 3.9K

R114 510

R124 100K

R118 4.7K

U31 SN7400N

100Hz RANGE 2

500Hz RANGE 3

2KHz RANGE 4

6KHz RANGE 5

10KHz RANGE 6

20KHz RANGE 7

U5 SN7405N

U4 SN7405N

U10 SN7405N

U11 SN7405N

R125 100K

R128 100K

R122 15K

R115 510

R126 100K

R119 4.7K

U30 LM339N

U31 SN7400N

EXT Z B65

TP9

C79 1μF, 50V

R130 10K

R121 10K

R129 300K

R123 15K

R116 1K

R127 100K

R120 4.7K

U30 LM339N

R88 500Ω

R89 500Ω

R90 500Ω

R91 500Ω

U3 4051PC

U2 4051PC

U8 4051PC

U9 4051PC

2^2

2^1

2^0

SPECTRAL DYNAMICS CORPORATION OF SAN DIEGO

TITLE: SCHEMATIC - GROUP I LOW PASS FILTER

DRAWN	T. PRESCOTT	MODEL	SIZE	DRAWING NO	
DESIGNER		SD340	D	10402800	
CHECKED		SCALE		SHEET 3 OF	
ENGINEER					
APPROVED					

E11 E12

+15V

CR9 IN914

C72 1uF, 50V, 5%

R132 10K

R131 200K, 1%

CR10 IN914

-15V

+15V C73 .1

U32 LF356N

C74 .1

-15V

R133 34.8K, 1%

C75 1uF, 50V, 1%

C76 .018uF, 100V, 1%

C77 .0557uF, 50V, 1%

+15V C78 .1

U33 LF356N

R134 324K 1%

C79 .1

-15V

C80 .0033uF, 100V, 1%

R135 37.4K 1%

+15V C83 .1

U34 LF356N

C82 1uF, 50V, 1%

C81 .01uF, 100V, 1%

C84 .1

-15V

R136 1.5M, 1%

R137 191K, 1%

INPUT (SH 2)

E7 E8 E9 E10

+15V +15V C85 .1

R138 25K

U35 LF356N

C86 .1

-15V

R139 90.9K 1%

E1 E2 E3 E4 E5 E6

R140 23.7K 1%

R141 13.3K 1%

+20VDC

B37

L4 3.3 MH

C87 .1

+ C88 22uF 50V, 20%

CR11 IN5312

A50 SIGNAL IN

B39 BUFFER OUT

B43 INT#1 OUT

B45 INT #2 IN

B47 INT #2 OUT

B49 AMP IN

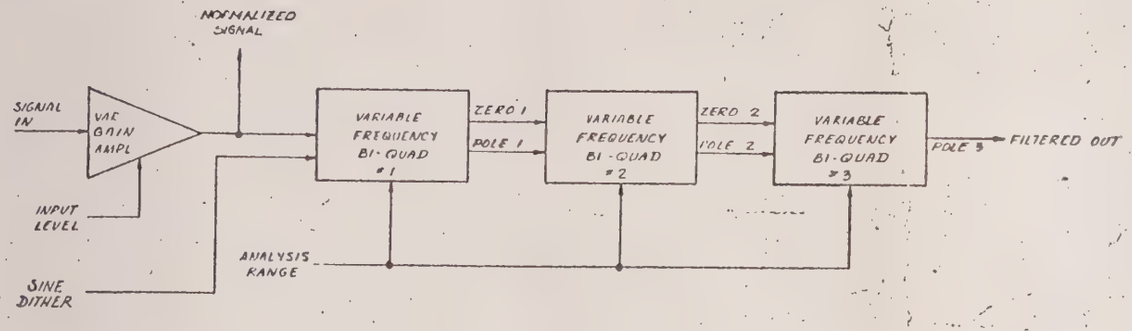
B55 ACC BIAS

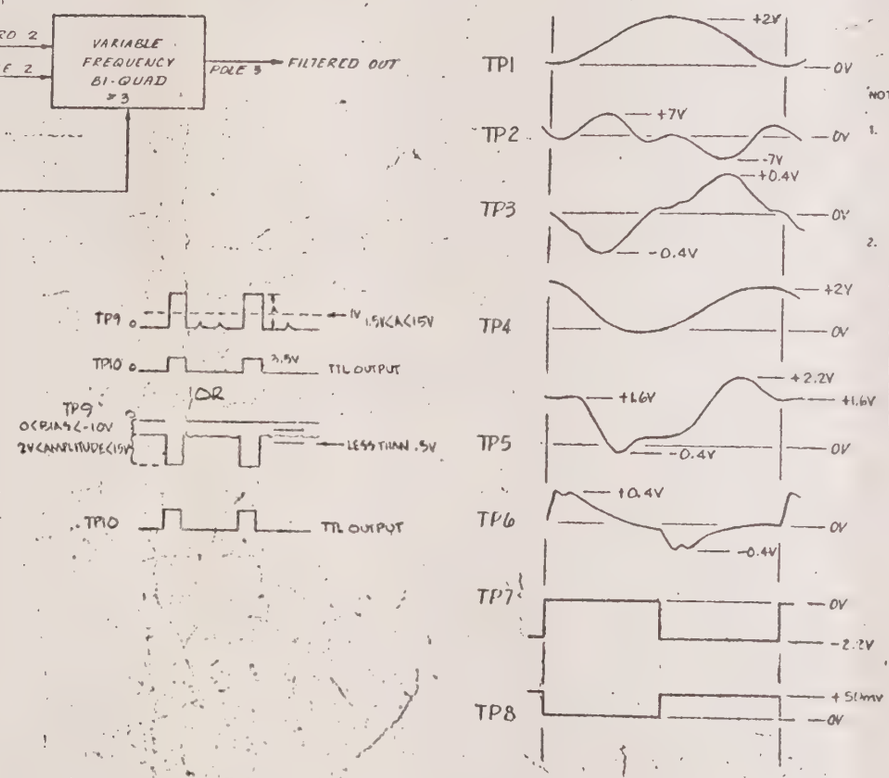
	CAD POSITION A1	SIZE D	DRAWING NUMBER 10402800	REVISION N
	SCALE NONE		SHEET 4	

10460200

REVISIONS						
REV	ECO	S/N	DESCRIPTION	DATE	APP'D	
A	—	—	RELEASED	[illegible]	[illegible]	
B	2669	—	SEE ECO	[illegible]	[illegible]	
C	2933	—	SEE ECO	[illegible]	[illegible]	
D	2701	—	SEE ECO	1-10-73	[illegible]	
E	2971	—	SEE ECO	[illegible]	[illegible]	
F	3011	—	SEE ECO	6-1-73	[illegible]	
G	3107	—	SEE ECO	[illegible]	[illegible]	
H	3139	—	[illegible]	[illegible]	[illegible]	
J	3216	—	SEE ECO	[illegible]	[illegible]	
K	[illegible]	—	SEE ECO	[illegible]	[illegible]	
L	3393	—	SEE ECO	04/07/80	[illegible]	

BLOCK DIAGRAM





NOTES: UNLESS OTHERWISE INDICATED:

1. (a) RESISTANCE SHOWN IN OHMS
   (b) RESISTORS ARE 1/8W, ±1%, 1% ARE 1/4W
   (c) CAPACITANCE SHOWN IN MICROFARADS
   (d) CAPACITORS ARE 500V, 5%, .01uf, 5KV, TOLERANCE IS +80-20%.
2.

INTEGRATED CIRCUITS				
		PWR PINS		
REF DESIG	PART NO	GND	+5V	UNUSED CIRCUITS
U45,10,11,6,12,23	SN7405N	7	14	
U20,29	SN7442AN	8	16	
U31	SN7[illegible]N	7	4	
U29,35	[illegible]	8	16	

SEE CIRCUIT FOR ALL OTHER IC'S

HIGHEST REF DESIG USED	
C67	TP10
L4	U55
R142	VR4
CR11	G4

E10

P/N ASSY: 10402901
PW BOARD: 10403000
KEY:

A1

SPECTRAL DYNAMICS CORPORATION OF SAN DIEGO

TITLE: SCHEMATIC — GROUP II
LOW PASS FILTER

MODEL	SIZE	DRAWING NO	REV
SD340	D	10460200	L

SCALE — SHEET 1 OF 4

10460100

REVISIONS

REV	ECO	S/N	DESCRIPTION	DRAFT	CHECK	APP

VAR GAIN AMPL

VARIABLE FREQ BI-QUAD #1

NORMALIZED SIGNAL

SINE DITHER

TO SH3

ZERO 1

POLE 1

TP4

TP6

TP7

TPB

GND

GND A

GNDB

INPUT LEVEL

ANALYSIS RANGE

GROUP I

NC

A

B

AC

2HZ RANGE 2

10HZ RANGE 3

20HZ RANGE 4

50HZ RANGE 5

100HZ RANGE 6

300HZ RANGE 7

U22 LF356AH

U27 OP-16EJ

U26 LM318N

U25 LF356N

U13 LF356N

U24 SN74424N

U23 SN7405N

U20 SN7442AN

U19 SN7405N

U18 SN7405N

U28 4051PC

U17 4051PC

U16 4051PC

SPECTRAL DYNAMICS CORPORATION OF SAN DIEGO	TITLE: SCHEMATIC - GROUP II LOW PASS FILTER
DRAWN: [illegible] 7-13-77	MODEL: SD340
DESIGNED	SIZE: -
CHECKED	DRAWING NO: 10460200
ENGINEER	REV: L
APPROVED	SCALE: -
	SHEET 2 OF

REVISIONS					
NO.	ECO	SYM	DESCRIPTION	DRAWN	CHKD	APP'D
			10460200			

VARIABLE FREQ BI-QUAD #2

VARIABLE FREQ BI-QUAD #3

FROM SW 2

ZERO 1

POLE 1

2 HZ RANGE 2

10 HZ RANGE 3

20 HZ RANGE 4

50 HZ RANGE 5

100 HZ RANGE 6

500 HZ RANGE 7

AC

TP1 TP2 TP3 TP5 TP9 TP10

U1 LF356N U2 4051PC U3 4051PC U4 SN7405N U5 SN7405N U6 LM318N U7 LF356N U10 SN7405N U11 SN7405N U12 LF356N U15 LF356N U30 LM339N U31 SN7400N

R51, 5.76K R52, 30.1K R53, 60.4K R54, 150K R55, 301K R56, 1.5M

R57, 5.76K R58, 30.1K R59, 60.4K R60, 150K R61, 301K R62, 1.5M

R71, 5.76K R72, 30.1K R73, 60.4K R74, 150K R75, 301K R76, 1.5M

R77, 5.76K R78, 30.1K R79, 60.4K R80, 150K R81, 301K R82, 1.5M

R114 510 R115 100K R116 1K R117 39K R118 4.7K R119 4.7K R120 4.7K R121 10K R122 15K R123 15K R124 100K R125 100K R126 100K R127 100K R128 100K R129 300K R130 10K R15 50

C71 1.5nF

R88 500Ω R89 500Ω R90 500Ω R91 500Ω

R112 10K, VAR, 5% CR4, IN914

R113 1M 1/4W 5%

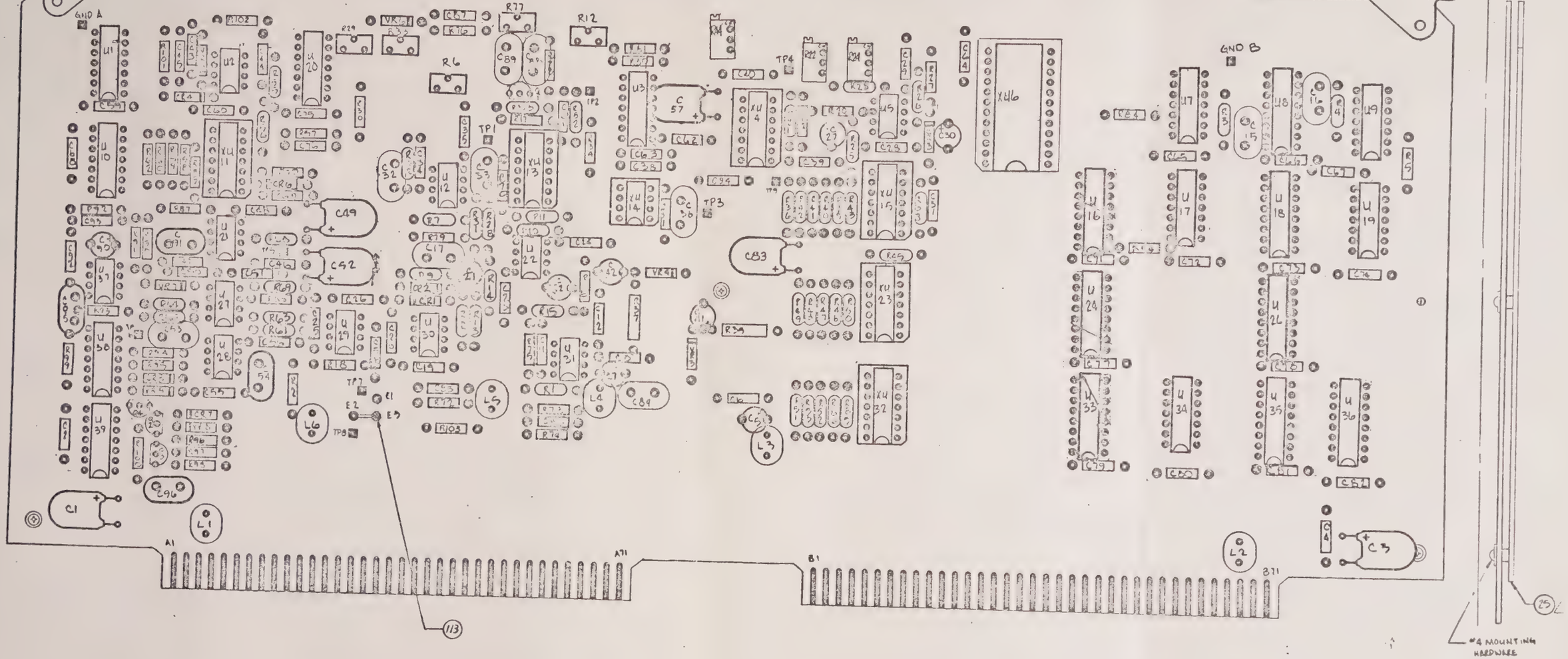
C58 10 20V 20% (2) C59

FILTER CCT OUT

SPECTRAL DYNAMICS CORPORATION OF SAN DIEGO	TITLE: SCHEMATIC – GROUP II LOW PASS FILTER		
DRAWN	MODEL SD340	SIZE D	DRAWING NO 10460200 REV L
CHECKED	SCALE		SHEET 3 OF

E11
E12
+15V
CR9 IN914
CR10 IN914
-15V
C72 1uF, 50V, 5%
R132 10K
R131 200K, 1%
U32 LF356N
C73 .1
C74 .1
R133 34.8K, 1%
C75 1uF, 50V, 1%
C76 .018uF, 100V, 1%
C77 .0557uF, 50V, 1%
U33 LF356N
C78 .1
C79 .1
R134 324K 1%
C80 .0033uF, 100V, 1%
R135 37.4K 1%
C81 .01uF, 100V, 1%
C82 1uF, 50V, 1%
U34 LF356N
C83 .1
C84 .1
R136 1.5M, 1%
R137 191K, 1%
INPUT (SH 2)
E7
E8
E9
E10
U35 LF356N
C85 .1
R138 25K
C86 .1
R139 90.9K 1%
E1
E2
E3
E4
E5
E6
R140 28.7K 1%
R141 13.3K 1%
B 37
L4 3.3MH
C87 .1
C88 22uF 50V, 20%
CR11 IN5312
A 39
B 43
B 35
B 47
B 49
B 55

	ADD POSITION A1	SIZE D	DRAWING NUMBER 10460200	REVISION L
	NEXT NONE		SHEET 4	

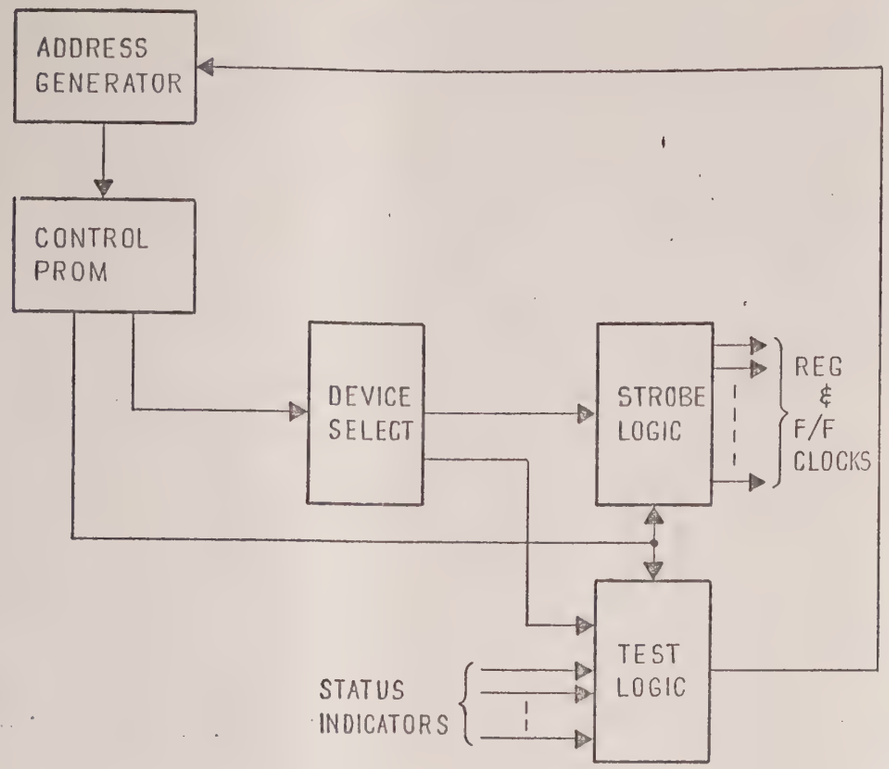


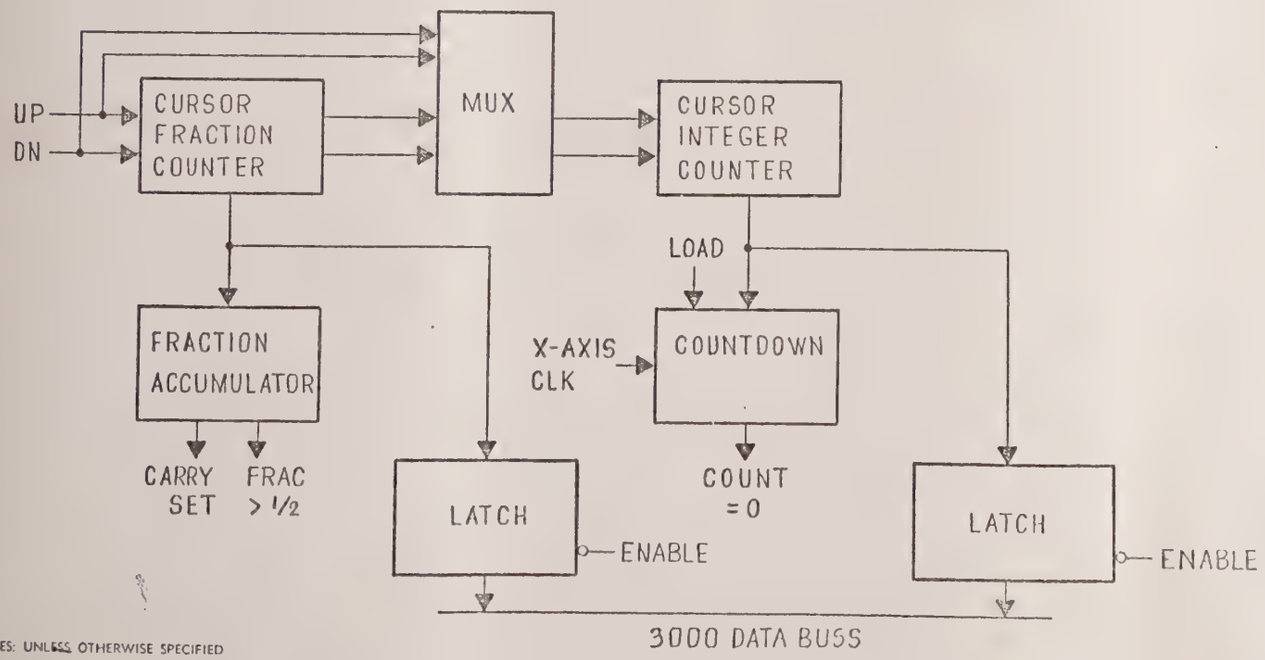
01 ASSY

NOTES:
1. INSTALL ITEM 25 AFTER ELEC. CHECK.

SPECTRAL DYNAMICS CORPORATION OF SAN DIEGO	TITLE PWA - ANALOG I/O	SIZE D	MODEL NO. 40340
	DRAWN	DRAWING NO. 10408900	REV X
	CHECKED		
	APPR.	SHEET 1 OF 1	

REVISIONS						
REV	ECO	S/N	DESCRIPTION	DATE		
A	—	—	RELEASED	12-15-76	KTC	
B	2633	—	SEE ECO	2-15-77	[illegible]	
C	2659	—	SEE ECO	3-8-77	VG	
D	DDC	—	REV SIG NAME TO MATCH STRING LIST	[illegible]		
E	2775	—	SEE ECO	5-2-77	VG	
F	2826	—	[illegible]	[illegible]		
G	2813	—	SEE ENTRY SEE ECO	5-[illegible]-77	[illegible]	
H	3010	—	[illegible]	5-31-77	[illegible]	
J	[illegible]	—	[illegible]	[illegible]	[illegible]	
K	3303	—	[illegible]	8-27-77	[illegible]	
L	3969	—	L42 WAS SN74LS74N	8-11-80	CAV	





NOTES: UNLESS OTHERWISE SPECIFIED

HIGHEST REF. DESIG. USED

A	[illegible]
C	62
CR	3
E	4
L	
O	
R	22
S	
TP	18
U	53
VR	

INTEGRATED CIRCUITS

REF DESIG	PART NO	PWR PINS GND	PWR PINS +5V	UNUSED CIRCUITS
U21,43	[illegible]	7	14	
U43	[illegible]	7	14	
U44	[illegible]	7	14	
U46	[illegible]	7	14	
U26	[illegible]	7	14	
U5-7	[illegible]	7	14	
U41	[illegible]	8	16	
U1,32,35	[illegible]	8	16	
U10	[illegible]	8	16	
U31	[illegible]	7	14	
U9,12	[illegible]	8	16	
U28	[illegible]	7	14	
U27,29,30	[illegible]	7	14	
U14	[illegible]	7	14	
U3,8,13,19	[illegible]	8	16	
U15	[illegible]	8	16	
U23	[illegible]	7	14	
U40	[illegible]	7	14	
U22	[illegible]	7	14	
U1,2,24,25	[illegible]	8	16	
U18,47,48	[illegible]	8	16	
U38,39	[illegible]	10	20	
U49,50,51,53	[illegible]	8	16	
U36	[illegible]	10	20	SH 1
U37	[illegible]	10	20	SH 2
U4	[illegible]	8	16	
U16,33,34	[illegible]	8	16	
U20	[illegible]	8	16	
U42	SN74ALS74AN	7	14	

NOTES: UNLESS OTHERWISE INDICATED:

1. (a) RESISTANCE SHOWN IN OHMS
   (b) RESISTORS ARE ¼W, 5%
   (c) CAPACITANCE SHOWN IN MICROFARADS
   (d) CAPACITORS .1μF, 25V, +80-20%

A8

PWA 10417000
PWB 10417100

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES
LINEAR XX ± .03 XXX ± .010
ANGULAR ± 0°30'
DO NOT SCALE DRAWING
MATERIAL
FINISH

SPECTRAL DYNAMICS CORPORATION OF SAN DIEGO

DRAWN	[illegible]	[illegible]
DESIGNED	[illegible]	[illegible]
CHECKED	[illegible]	[illegible]
ENGINEER	[illegible]	[illegible]
APPROVED	[illegible]	[illegible]

TITLE
SCHEMATIC
DISPLAY CONTROL

MODEL	SIZE	DRAWING NO.	REV
SD340	D	10416900	L

SCALE NONE — SHEET 1 OF 4

TEST (A 50)

TP16
LO LEVEL
RESETS POM COUNTER
TO ADDRESS ZERO

+5V

TEST JACK
XJ1

PHASE 2 CLK (B 70)

U22

SN74S132N

U27

TP12

R1
4.7K
305ns
4ms

CR1
1N914

R3
100

R4
33K

C58
68
20V ±20%

SN74LS132N
U40

U45

U18
SN74365N

R6
1K

R7
1K

EN TIME
MODE CLK

U39
SN74S482N

U38
SN74S482N

TP10

TP11

TP11	TP10	NEXT ADDITION
0	0	BRANCH (TYPE 1)
0	1	+1
1	0	——
1	1	HOLD (TYPE 0)

Ø2 CLK
LOAD INSTR LATCH
ADDRESS SEL 2¹
UNCON BRANCH
ADDRESS SEL 2⁰

(SOCKET)
RFSH 2 U37

(SOCKET)
RFSH 1 U36

SN74LS175N
U19

SN74175N
U20

R2
4.7K

R5
4.7K

DEVICE SEL
SEL CODE
EN TIME MODE CLK
EN 3000 NOT READY

PWR ON

PWR ON (SW-4)

+5V
GNDB

C57 100 10V 20%
C56 .1 25V +80-20%
C1-36, 39-55 .1 25V +80-20%
C59 100 10V 20%
C60 .1 25V +80-20%
GND

REFRESH WR CRT (A 52)

SET REFRESH MSB (A 54)

SEL CTR ADR SRCE (A 51)

LSB MSB
X CTR PRE

	ANT POSITION A8	SIZE D	DRAWING NUMBER 10416900	REV L
	SCALE		SHEET	

EN TIME MODE CLK
3000 REQUEST
MEM WRITE
DISPLAY MODE 2²
DISPLAY MODE 2¹
DISPLAY MODE 2⁰
10 HZ CLK
PLOT
CELL 408
E1
E2
TIME TRIG
DISPLAY REQUEST
TIME MODE CLK
RESET
MEM 0
FREEZE
HARMONIC MODE
FREEZE
TP15 = LO LEVEL REQUESTS OUTPUT OF NEXT SPECTRAL LINE
TP2 LO LEVEL 250ns TO 300ns DURING RETRACE BLANKING
FIRE RETRACE MOI
CLK ACCUM
INTEGER = 0
RETRACE
CURSOR CTR = END
FUND INTEN F/F
INTENSITY
CAL MODE
DELAY F/F
SET DELAY F/F
SET FUND F/F
RETRACE / INTENSITY
CTR CLK
FIRE INTEN MONO
CLR CURSOR CTR
CNT LOAD
CARRY TEST
FRACTION ≥ 1/2
B2 CLK
LOAD INSTR LATCH
ADDRESS SEL 2¹
UNCOND BRANCH
ADDRESS SEL 2⁰
DEVICE SEL 2⁰ 2¹ 2²
SEL CODE 2⁰ 2¹ 2²
EN TIME MODE CLK
EN 3000 NOT READY
PWR ON
3000 ACCESS EN
REFRSH WR CPU
TIME
LD X CTR
RETRACE BLNK
CLR X CTR
LD Y DAC
PLOT STOP
STRB CSR CTL FF
CLK X CTR
TP14 = HI LEVEL PERMITS WRITING OF REFRESH MEMORY FROM CPU
NEG PULSE ADV X-AXIS COUNTER
PULLUP
SN74LS132N U40
SN7474N U42
SN74157N U41
SN74123N U26
SN74LS138N U24
SN74LS00N U21
SN74LS75N U3
SN74LS52N U28
SN74LS21N U23
SN74LS51N U5
SN74LS51N U7
SN74LS32N U28
SN74LS00N U45B
SN74LS04N U43
SN74LS74N U27
SN74LS04N U44
SN74LS21N U29
SN74LS74N U30
SN74LS138N U2
SN74LS138N U25
R10 1K +5V
R12 10K +5V
R11 4.7K +5V
R8 1K +5V
R9 4.7K +5V
R21 4.7K +5V
C35 .1, 12V, 20%
CR2 1N914
C41 150PF 400V 2%

CARD POSITION	SIZE	DRAWING NUMBER
A8	D	10416900

SCALE
SHEET 9

10416900

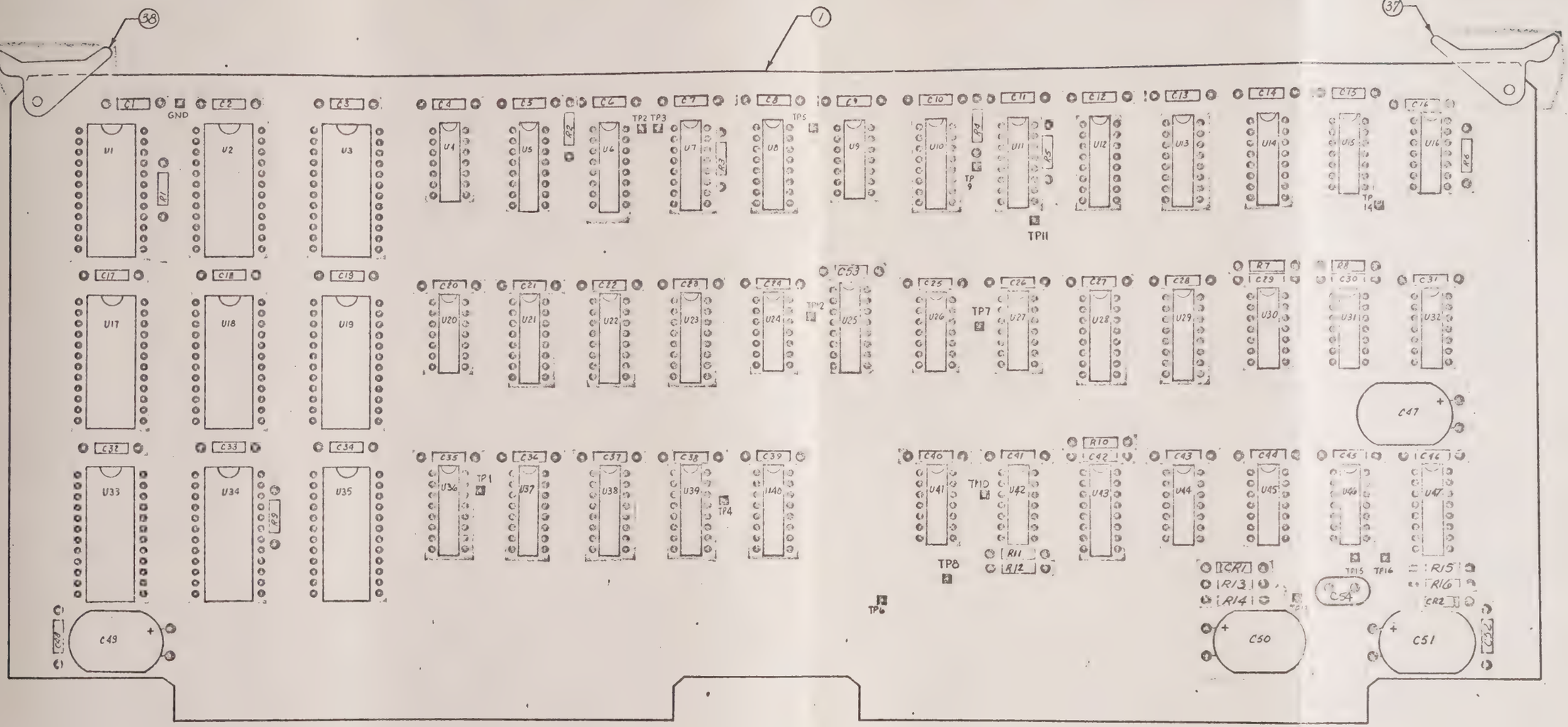
SRF
CURSOR CLK. DOWN
HARMONIC
CURSOR CLK UP
INTENSIFY
MOTION
LINE CURSOR
FREQ MATCH

TP9 = LO LEVEL DURING FUNDAMENTAL INTENSIFY

FREEZE
FIRE RETRACE MONO
TP5 = LO LEVEL WHEN INTEGER COUNT = 0
CLK ACCUM
INTEGER = 0
RETRACE
CURSOR CTR = END F/F
FUND INTEND F/F
CAL MODE
PULLUP
DELAY F/F
INTENSITY SET DELAY F/F
SET FUND F/F
RETRACE / INTENSIFY
CTR CLK
FIRE INTEND MOND
CLR CURSOR CTR
CNT LOAD
CARRY TEST
FRACTION ≥ 1/2
(SN-2) PWR ON

U44 SN74LS04N
U46 SN7408N
U14 SN74LS10N
SN74LS00N U45
U29 U29 U30 SN74LS74N (TYP)
R14 4.7K
R17 4.7K
TP9
U27 SN74LS74N
R13 4.7K
R15 10K
CR3 IN914
C37 1uf, 50V, 20%
TP13
SN74123N U26
R16 4.7K
NEG LEVEL OF 1.0 → 1.2ms DURING INTENSIFY
U31 SN74LS20N
U28 SN74LS32N
U10 SN74LS193N
R22 4.7K
U11 SN74LS193N
U9 SN74LS83AN
U12 SN74LS83AN
U8 U13 SN74LS175N
U45 SN74LS00N
U44 SN74LS04N
TP1 LO LEVEL INDICATES CARRY ON LO CURSOR FRACTION ACCUM.
TP3 LO LEVEL INDICATES CURSOR FRACTION ≥ 1/2
U14 SN74LS10N
U15 SN74LS157N
U34 SN74193N
R18 4.7K
R20 1K
U35 SN74LS191N
TP6 LO LEVEL LOADS CURSOR INTEGER COUNTER INTO COUNTDOWN COUNTER
E3 IN = 40B OUT = 40C PLOT
E4 R19 4.7K
U22 SN74S132N
LO LEVEL - HARMONIC MODE
TP4
U33 SN74193N
U32 SN74LS191N
U16 SN74193N
U17 SN74LS191N
U52 U48 U47 SN74365N
TP17 LO LEVEL PLACES CURSOR INTEGER COUNTER ONTO BUS
NEG PULSE LOADS FUNDAMENTAL CURSOR VALUE
TP8
U53 U51 U50 U49 SN74173N
LSB
MSB
TP18 = LO LEVEL PLACES FUNDAMENTAL CURSOR VALUE ONTO BUS
NORM CURSOR EN
FUND CURSOR EN

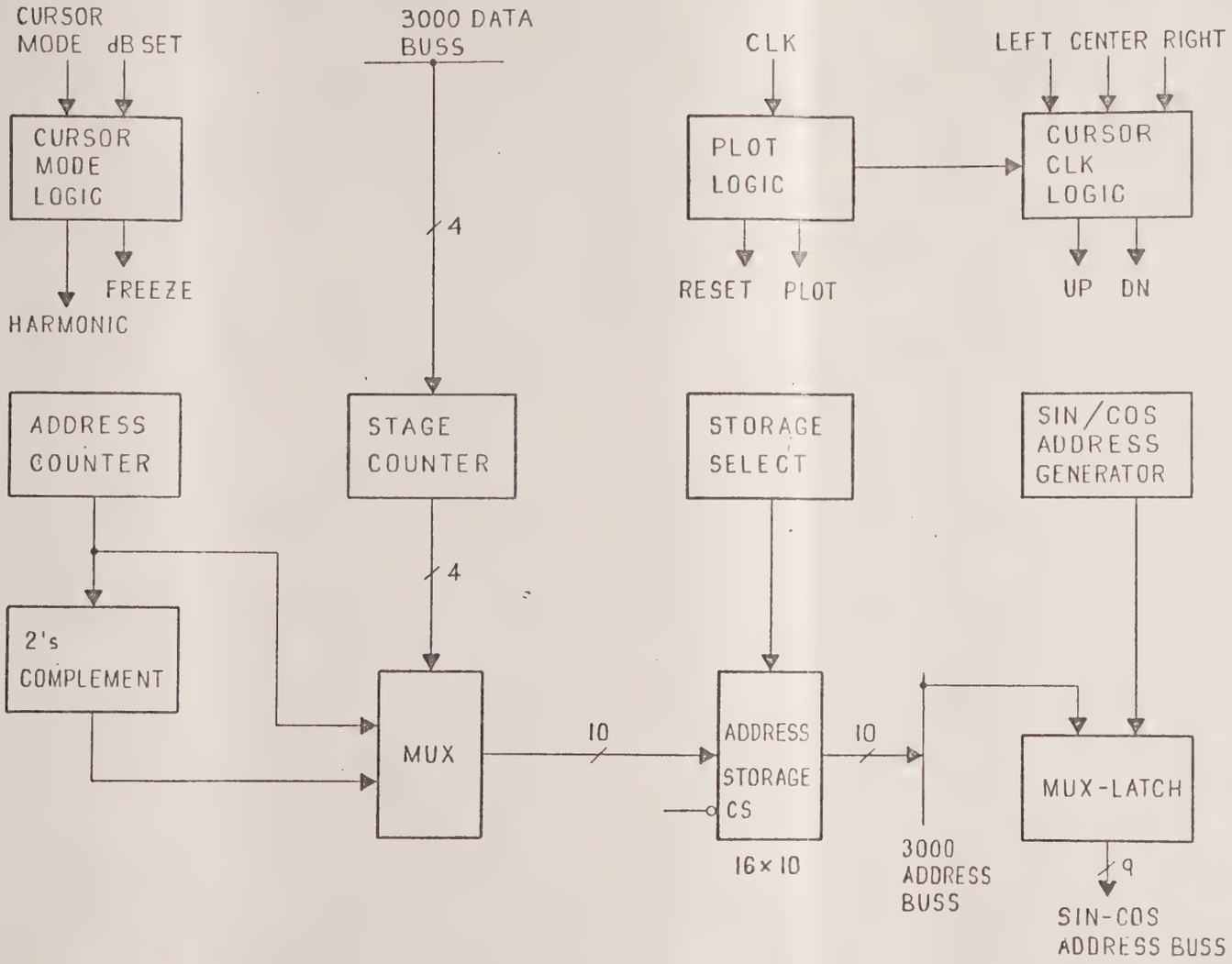
CAGE	POSITION	SIZE	DRAWING NUMBER	REV
	A8	D	10416900	L
SCALE	NONE		SHEET 4	



SPECTRAL DYNAMICS CORPORATION OF SAN DIEGO	TITLE MEMORY ASSY	SIZE D	MODEL NO. SD340
		DRAWING NO. 17300	REV F
			SHEET OF

10417200

A	—	—	RELEASED 12-4-76		
B	[illegible]	-	SEE ECO 2-17-77		
C	2607	—	U46 WAS SN74LS10N 3-9-77		
D	DDC	-	REV SIG NAME TO MATCH STRING LIST		
E	DDC	--	CORRECTED SCHEMATIC ERRORS U8-12 WAS TO U6-10, U8-11 WAS T- U22-2 & U22-3 WAS TO U6-9 PEC5539		
F	2607	—	U31 WAS SN74LS00N ADDED C54 8-9-77		



NOTES UNLESS OTHERWISE INDICATED

1. (a) RESISTANCE SHOWN IN OHMS
   (b) RESISTORS ARE 1/4W 5%
   (c) CAPACITANCE SHOWN IN MICROFARADS
   (d) CAPACITORS @10V ARE ± 20%

INTEGRATED CIRCUITS					
REF DESIG	PART NO	PWR PINS GND	PWR PINS +5V	UNUSED CIRCUITS	HIGHEST REF DESIG USED
U42,46	SN7410N	7	14		A
U27	SN7413N	7	14		C54
U31	SN74C0N	7	14		CR2
U4,20	SN74LS04N	7	14		E
					L
U44	SN74LS10N	7	14		O
U24	SN74LS32N	7	14		R16
U26,41	SN7473N	11	4		S
U16,30	SN74LS74N	7	4		T
U45	SN74LS08N	7	14		TP16
U43	SN74LS00N	8	16		U47
U11	SN74LS03N	8	16		VR
U6,29,40	SN74S20N	8	16		
U34,35,39	SN74S10N	8	16		
U5,12-14,21,37	SN74S32N	12	5		
U9	SN74LS4N	7	14		
47	SN74LS02N	8	16		
U1-3,17-19,33,35	SN74S04N	12	14		
U7,8,23	SN74S08N	8	16		
U15,32	SN74S40N	7	14		
U10	SN74S74N	8	16		
U6,22	SN74S05N	8	16		
U33	SN7437N	8	16		

PWA 10417300
PWB 10417400

A9

NOTES UNLESS OTHERWISE SPECIFIED

SPECTRAL DYNAMICS CORPORATION OF SAN DIEGO

TITLE SCHEMATIC- MEMORY ADDRESS

DRAWN			
DESIGNED			
CHECKED			
ENGINEER			
APPROVED			

MODEL	SIZE	DRAWING NO	REV
SD340	D	10417200	F

SCALE — SHEET OF 2

SN7483AN (TYP)

CAC CLOCK (B40)

EXECUTE (B24)

LD ADR SET CTR (B37)

END CURRENT STAGE U15-8

TP2: POS PULSE ADVANCES COUNTER

TP2

TP3: LO LEVEL SET COUNTER TO ZERO

TP3

TP5

NEG PULSE ADVANCES COUNTER

TP9 NEG LEVEL LOADS COUNTER FROM DATA BUSS

2-11
2-10
2-9
2-8
3000 DATA BUS

INITIALIZE

INITIALIZE

SN74132N U20

SN74LS04N

SN7404N

SN74161N U7

SN74161N U8

SN74161N U23

SN74193N U10

SN74365N U6

SN74365N U22

R3 4.7K +5V

R4 4.7K +5V

R2, 4.7K +5V

R1 1K +5V

R9 1K +5V

SN74150N U1

SN74150N U2

SN74150N U3

SN74150N U17

SN74150N U18

SN74150N U19

SN74150N U33

SN74150N U34

SN74150N U35

C-1 $\overline{A0}$ $\overline{A1}$ $\overline{A2}$ $\overline{A3}$ $\overline{A4}$ $\overline{A5}$ $\overline{A6}$ $\overline{A7}$ $\overline{A8}$

A9	D	104172.00

3000 D BUS
2-8 2-9 2-10 2-11
B60 B59 B62 B61
CLK ADR RAM SEL REGISTER
B42
3000 DATA BUS
2-11
2-10
2-9
2-8
INITIALIZE
C-1 A0 A1 A2
CPE ADR EN
B64
WRITE ADR RAM
A3 A4 A5 A6
B38
A7 A8
LD SIN ADR REG
B35
END CUR STAGE
B29
NEG PULSE CLKS COUNTER TO SELECT NEXT RAM ADDRESS
TP11
R5 4.7K
+5V
SN74LS193N U11
LD D C B A UP CLR
QD QC QB QA BOR CRY
U20 SN74LS04N
TP4: NEG PULSE WRITES RAM
TP4
TP1
TP1: LO LEVEL ENABLE RAM TO ADDRESS BUSS
R6 4.7K
SN74LS74N U16
CLR D CLK Q
TP14
NEG PULSE SHIFTS SIN/COS ADDRESS IND! BY ONE POSITION
U10-5
SN74164N U15
SN74164N U32
A B CLK CLR
QA QB QC QD QE QF QG QH
SN74S189N U36
SN74S189N U38
SN74S189N U39
D1 D2 D3 D4 R/W CE
A B C D
Y1 Y2 Y3 Y4
SN74S04N U20
B4 A4 B3 A3 B2 A2 B1 A1
C4 SN7483AN U14 CO
C4 SN7483AN U12 CO
C4 SN7483AN U13 CO
Σ4 Σ3 Σ2 Σ1
SN74298N U40
SN74298N U28
SN74298 U29
D2 D1 C2 C1 B2 B1 A2 A1
CLK SEL1
QD QC QB QA
TP12
TP12: POS PULSE LOADS SIN/COS ADDRESS REG.
+5V
GNDB
C49 100 10V
C48 .1 12V ±20%
C1-46, 52 53 .1 12V ±20%
GND
C51 100 10V
C52 .1 12V ±20%
A5 A6 A1 A2 B71 B72 B67 B68
ADR A0 ADR A1 ADR A2 ADR A3
ADR A4 ADR A5 ADR A6 ADR A7
ADR A8 ADR A9
SINE ADR 8
SINE ADR 7
SINE ADR 6
SINE ADR 5
SINE ADR 4
SINE ADR 3
SINE ADR 2
SINE ADR 1
SINE ADR 0
A9 A12 A11 A14 A13 A16 A15 A18 A17 A20 A19 A36 A33 A34 A31 A32 A29 A30 A27

	A9	D	10417200
	SCALE		SHEET 3

STRB CSR CTL FF

CURSOR CONTROL: LEFT, CENTER, RIGHT

+5V

R12 4.7K, R8 4.7K, R11 4.7K

SN7410N U42, SN7400N U31

CR2 IN914

R16 20K

C47 100 10V

SN74123N U47

R15 4.7K

SN7400N U31

SN7400N U31, SN7410N U46

TP16: NEG PULSE COUNTS CURSOR DOWN

TP15: NEG PULSE COUNTS CURSOR UP

SN7400N U31

R7 4.7K

SN74LS74N U30

TP13: LO LEVEL INDICATES CURSOR CLOCK PRESENT

PLOT STOP

MOTION

C54 470pf 500V 5%

UP, DN

CURSOR CLK

PLOTTER RESET

SN7414N U24

80HZ CLK, 10HZ CLK

SN74132N U27

CR1 IN914

R14 100, R13 33K

C50 100, 10V

SN74LS132N U45

SN74LS11N U46

SN74LS73N U26

TP8: HI LEVEL INDICATES CURSOR RESET TO ZERO & READY FOR PLOT

TP7: HI LEVEL WHEN PLOTTING

RESET, PLOT

CURSOR MODE

DB SET, 2^0, 2^1

SN74175N U25

SN7414N U24

+5V

R10 4.7K

SN74LS155N U43

SN7410N U42

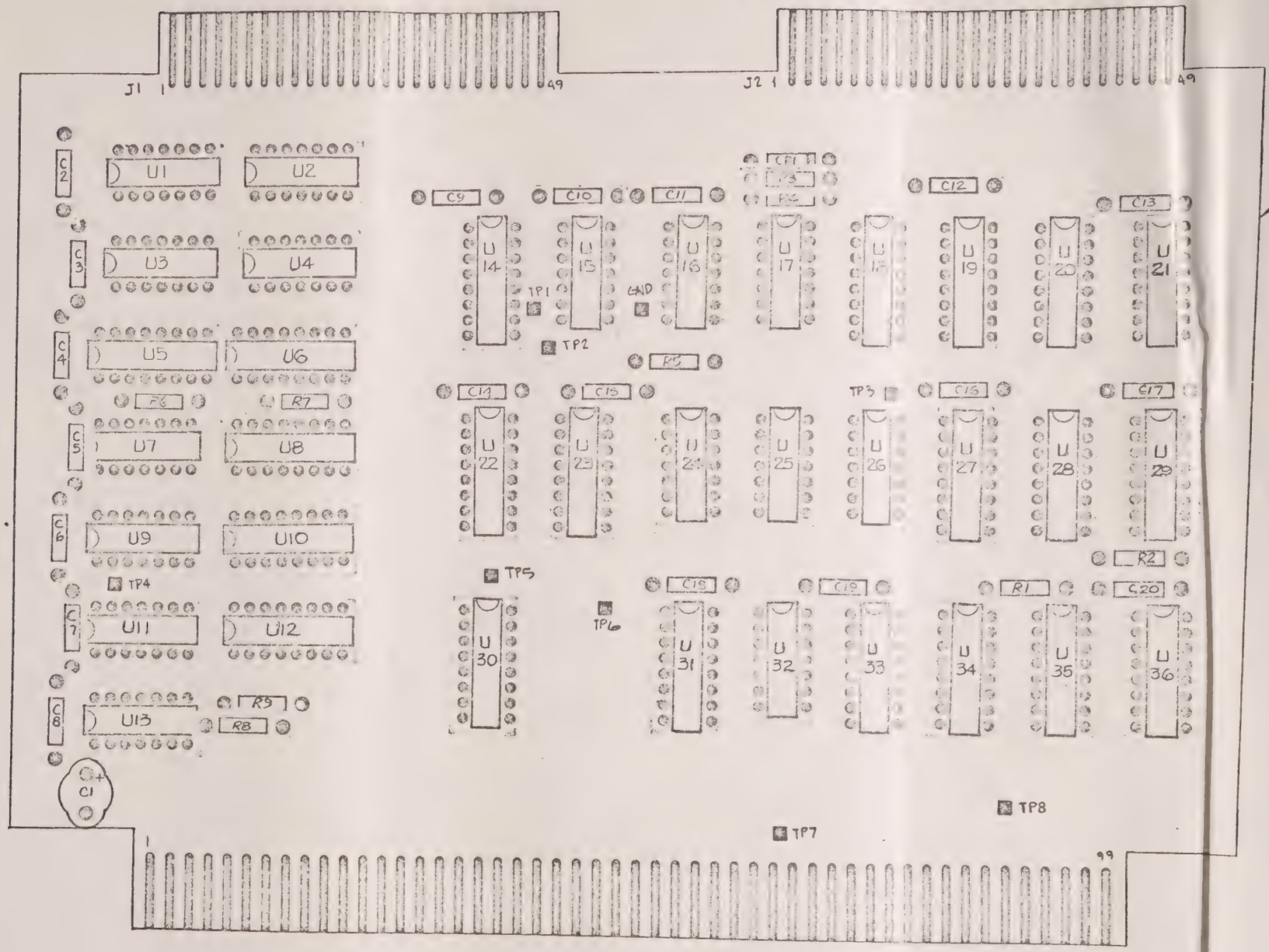
TP6: LO LEVEL IN HARMONIC MODE

SN74LS73N U41

TP10: HI LEVEL IN FREEZE MODE

HARMONIC MODE, FREEZE, HARMONIC

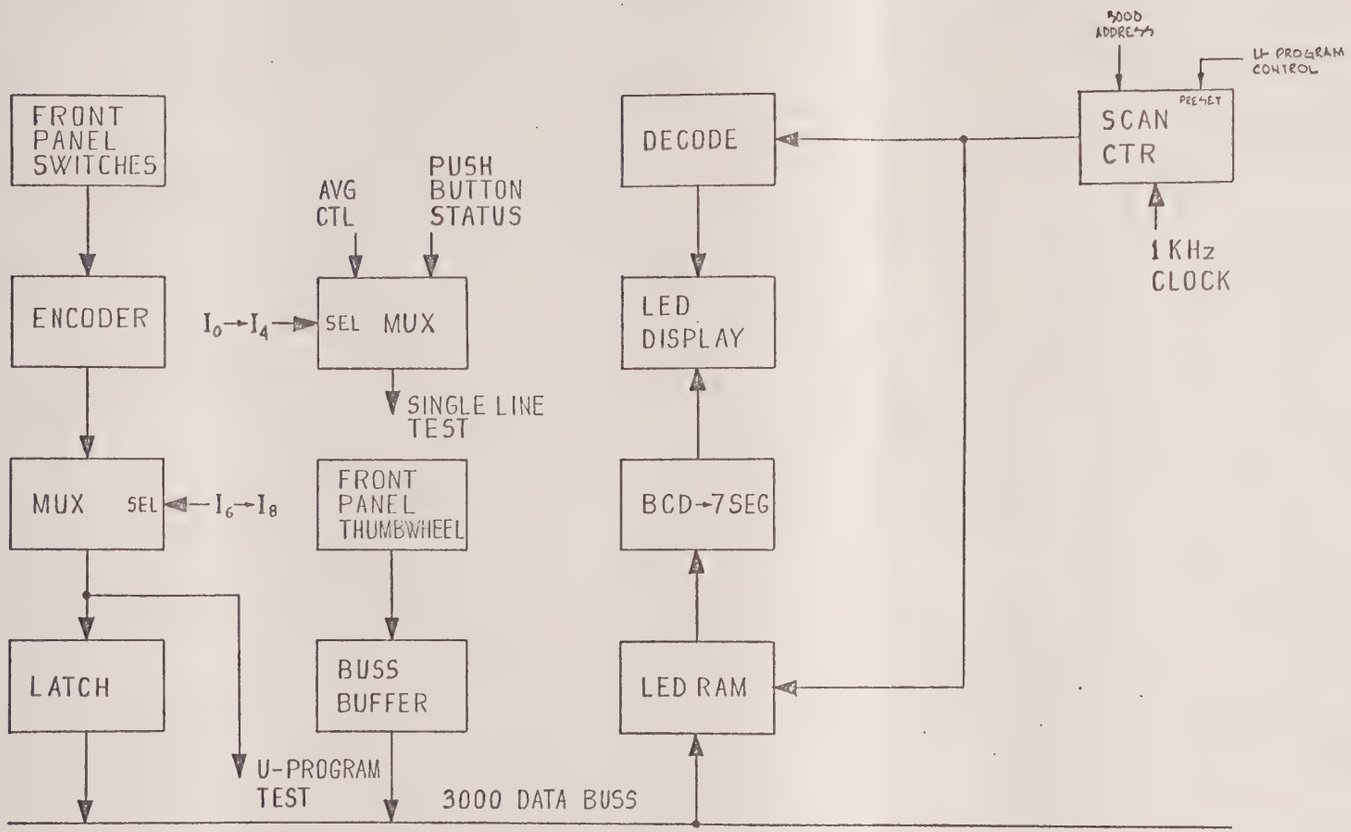
	A9	D	10417200



SPECTRAL DYNAMICS CORPORATION OF SAN DIEGO	TITLE SMA INTERFACE	SIZE C	MODEL NO. 40340
	DRAWN / APPROVED	DRAWING NO. 1041700	F
	CHECK		
	ENGR		
	MFGR	SHEET # OF	

10417800

REVISIONS					
REV	ECO	S N	DESCRIPTION	DRAWN	CHECKED
A	—	—	RELEASED 12-20-6		
B	DDC	—	REV SIG NAME TA MATCH STRING LIST	RA 1/24/11	RA 1/24/11
C	2971	—	ADDED U29-10 TO PIN 23 4-1-78	PET	



NOTES: UNLESS OTHERWISE INDICATED:

1. (a) RESISTANCE SHOWN IN OHMS
   (b) RESISTORS ARE 4.7K, 1/4W, 5%
   (c) CAPACITANCE SHOWN, IN MICROFARADS
   (d) CAPACITORS ARE ±20%

INTEGRATED CIRCUITS				
REF DESIG	PART NO.	PWR PINS GND	PWR PINS +5V	UNUSED CIRCUITS
U32	SN74500N	7	14	
U9,15,25,26	SN74150ON	7	14	
U11	SN7402N	7	14	
U13	SN7407N	7	14	
U3	SN7404N	7	14	
U17	SN74174N	7	14	
U7	SN74195EN	7	14	
U16	SN74LS21N	7	14	
U2,4	SN75491N	4	11	
U8	SN7447N	8	16	
U24	SN74LS74N	7	14	
U1	SN75492N	4	11	
U18,21,27,28,29	SN74148N	8	16	
U31,33-36	SN74S151N	8	16	
U5	SN74LS155N	8	16	
U22	SN74173N	8	16	
U10,12	SN74S181N	8	16	
U14,23,30	SN74365N	8	16	

HIGHEST REF. DESIG. USED
C20
CR1
R9
TP8
U36

PWB 10418000
PWA 10417900

A4A12

NOTES: UNLESS OTHERWISE SPECIFIED

SPECTRAL DYNAMICS CORPORATION OF SAN DIEGO

TITLE: SCHEMATIC – INTERFACE

DRAWN	MARK	MODEL	SIZE	DRAWING NO	REV
DESIGNED		SD340	D	10417800	C
CHECKED		SCALE 1/1		SHEET 1 OF 1	
ENGINEER					
APPROVED					

10417800

LED READOUT

CURSOR MODE

AVG

DISPLAY MODE

FREQ. RANGE

LEVEL

J2

Hz KCPM ORDERS V dB EU

NORMAL HARMONIC dB REF

RT AVG PEAK

LIN X4 XI LOG 0dB 12dB

SPECT TIME 0 F.S. 0.1 F.S.

20K 10K 5K 2K 500 100

20 10 5 2 1 .5 .2 .1

dB REF SH1

U18 U27 U28 U29 U19 U20 U21

SN74148N

Ao A1 A2 EI

U34 U35 U36

SN74S151N

A B C W S

+5V

R1 4.7K

R2 1K

TP3 DEFINES POSITION OF SELECTED SWITCH

TP8 DEFINES POSITION OF SELECTED SWITCH

TP5 DEFINES POSITION OF SELECTED SWITCH

SW CODE A0

SHT.4 SW. CODE A0

CURSOR MODE 2°

CURSOR MODE 2'

AVG 2°

AVG 2'

LOG

SW CODE A1

SHT.4 SW. CODE A1

LIN X4

DISPLAY MODE 2°

DISPLAY MODE 2'

DISPLAY MODE 2²

TIME

A R 2°

A R 2'

A R 2²

SW CODE A2

SW. CODE A2 SHT. 4

INPUT LEVEL 2°

INPUT LEVEL 2'

INPUT LEVEL 2²

I8 I7 I6 SHT.3

CAGE CODE 44A12 | SIZE D | DRAWING NUMBER 10417800 | REV C | SCALE NONE | SHEET 2

10417800

J1 dB REF MV/EU GND +5V J1

J2 GND J2

J1 SET SET-OFF X-GAIN X1 X5 PLOT PLOT OFF START/STOP S/S OFF STORED LED CURSOR CONTROL LEFT CENTER RIGHT J1

SHT.2 dB REF

+5V

U15 SN74LS00N

CR1 IN914

R4 33K

R3 100

U17 SN7414N

U16 SN74LS21N

U24 SN74LS74N CLR D Q CLK PRE

R5 4.7K +5V

U25 SN7400N

U26 SN7400N

ENABLE SHT.4

U31 SN74S151N

U33 SN74S151N

U32 SN74S00N

III LEVEL IF TEST TRUE

TP7

SHT.2 I_8 I_7 I_6

52 ENSEMBLE 64
51 ENSEMBLE 32
54 ENSEMBLE 16
53 ENSEMBLE 8
59 AVG OR PEAK SET
29 FREEZE

72 I_0 73 I_1 74 I_2 75 I_3 76 I_4 77 I_6 78 I_7 79 I_8 BUFFERED

65 SINGLE LINE TEST

30 DB SET

18 $\overline{X\ GAIN, XI}$

39 $\overline{PLOTTER\ RESET}$ 40 AVG START 58 STORE LED 34 LEFT 35 CENTER 33 RIGHT CURSOR CONTROL

+5V GND B C1-20 .1 uF 25V, +80 -20% + C1 100 uF 10V, 20% +5V GND B

Spectral Dynamics Corporation	CARD POSITION A1A12	SIZE D	DRAWING NUMBER 10417800	REVISION C
	SCALE N.A.		SHEET 3	

MP MASTER
MA29883

COAST BOOK COVER INC.
LOS ANGELES, CA.
1-0739-41